PATENT OWNER EXHIBIT 2020

Docket No. 1004293.005US

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Serial No.: 11/112,990 Confirmation No.: 7098

Applicant(s): McNally, et al. Group Art Unit: 2191

Filed: April 22, 2005 Examiner: Brophy, Matthew

Customer No.: 27123

For: INFORMATION MANAGEMENT AND SYNCHRONOUS COMMUNICATIONS

SYSTEM WITH MENU GENERATION, AND HANDWRITING AND VOICE

MODIFICATION OF ORDERS

DECLARATION UNDER 37 C.F.R. § 1.132

Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450

Sir:

I, the undersigned, Keith R. McNally, declare and state that:

- 1. I am an inventor of the subject matter claimed in the above-identified patent application. I have first-hand knowledge as to all of the facts, all of the referenced Exhibits and all of the information contained herein.
- 2. I make this declaration providing evidence of secondary factors to further support and confirm the establishment of the uniqueness and breakthrough aspects of Ameranth's (the assignee of the present application) "menu wizard" and synchronous 21st Century Communications technology innovations (first introduced at the 1998 Food Service Technology show held in Atlanta, Georgia from November 14- 16, 1998 and then steadily advanced and introduced into the hospitality marketplace thereafter) which are encompassed

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by the presently-amended claims of the above-identified application. These technology introductions and innovations marked Ameranth's transformation from its previous product focus on <u>hardware/devices</u> to <u>software and systems integration</u>, (which it has subsequently maintained). All of the attached and referenced enclosures; including business relationships, technology licenses, product announcements, press releases, strategic alliances and news reports all revolve around Ameranth's breakthrough technology innovations originally introduced at the November 1998 FSTEC show and then steadily commercialized by Ameranth on an on-going basis. The referenced Exhibits discussed herein and attached hereto supporting this Declaration primarily focus on the years immediately following the introduction of Ameranth's "menu wizard" and synchronous communications technology (since I believe that this is the pertinent time period in which the contemporaneous market reaction confirmed the novelty and nonobviousness of this innovation). This timeframe focus is certainly not intended to reflect that Ameranth did not continue to excel in subsequent years with additional technology awards and adoptions by the world's largest companies (e.g. Darden, the world's largest casual dining chain) and (Intercontinental Hotels Group, the worlds largest hotel company) and with two additional major technology awards achieved by Ameranth. Both of these subsequent awards were "best product" awards, for the entire hospitality/wireless world/marketplace, one for the most innovative wireless product and the other for the best customer service solution.

3. The collective actions and decisions made by the world's leading technology companies, hospitality focused companies, national press, regional press, hospitality press, major hospitality customers and the public alike <u>clearly and indisputably confirmed</u> that Ameranth had invented an <u>entirely new</u> and truly unique solution to a previously unsolved

problem and for which there was a very significant market need. Both Microsoft and Symbol Technologies, (the respective and recognized world leaders in software and rugged/mobile computing/LAN Wireless technology) not only partnered with Ameranth, but they both made strategic multi million dollar investments into Ameranth in 1999 and 2000 (their only ones in this market segment). Obviously, Microsoft and Symbol could have chosen any systems integrator in the world – yet they chose Ameranth, thus further confirming what the leading contemporaneous experts also confirmed, i.e., that Ameranth's innovations were unique and breakthrough ones unavailable, at the time, from any other source. The totality of the evidence submitted herewith shows compelling industry recognition and adoption of Ameranth's breakthrough technologies as encompassed by the claims of the present application.

4. Ameranth's significant impact in this marketplace was succinctly captured and summarized by Bill Gates' (Microsoft's founder and Chairman at the time) testimonial in personally nominating Ameranth for the 2001 Computerworld Honors Program award, which it subsequently won:

[Ameranth] is one of the leading pioneers of the information technology revolution for the betterment of mankind.

5. Further, many of the leading Hospitality "point of sale" companies (including Micros Systems) as well as Food.com (the leading internet food ordering company) and many others also recognized the breakthrough innovations of Ameranth's technology and either partnered with or sought to partner with Ameranth to obtain that technology. Ameranth was also recognized as the hospitality market wireless leader by numerous National (e.g., The New York Times, Wall Street Journal, USA Today, Time Magazine, Information Week and more) and Hospitality Market publications (Nations

Restaurant News, Hotel Business, Franchise Times, Hospitality Technology and more) for its many revolutionary breakthroughs and innovations encompassed by the claims of the present application.

- 6. Ameranth has also been repeatedly recognized with and awarded numerous "best product" technology awards as well as numerous technology grants/awards from the National Science Foundation.
- 7. Supporting materials confirming the above points are attached as Exhibits hereto and summarized in the following paragraphs.
- 8. Exhibit 1 is a November 14-16, 1998 photograph of Ameranth introducing its revolutionary "menu wizard" and data synchronization technologies as part of its 21st Century RestaurantTM product vision at the 1998 FSTEC (Food Service Technology Show held in Atlanta, Georgia). I am seated, second from the left at the front table, with representatives of several of Ameranth's strategic customers/partners.
- 9. Exhibit 2 is a November 14-16, 1998 system diagram that was shown in the booth at the November 1998 FSTEC show in Ameranth's booth as shown in Exhibit 1. This system diagram reflected Ameranth's inventive breakthroughs and was shown in the center of the booth as well as being distributed to key strategic partners, such as Symbol Technologies. A working demonstration of Ameranth's invention accompanied this diagram and was shown concurrently in the booth.
- 10. As detailed in my original and supplemental inventorship declarations under 37 C.F.R. 1.131, Ameranth's display and demonstration at the November 1998 FSTEC show was of the subject matter encompassed by the claims of the present application. Moreover, the products displayed and demonstrated by Ameranth at the

November 1998 FSTEC show and thereafter were the same technology referred to in all of the Exhibits referenced herein. My 1.131 Declarations together with the present Declaration thus establish a nexus between the evidence submitted herein and the claimed invention, i.e., the objective evidence of nonobviousness presented herein is attributable to the claimed invention.

- 11. Exhibit 3 is another system diagram from December 1998/January 1999 further reflecting Ameranth's synchronous communications inventive aspects as part of Ameranth's trademark for its 21st Century CommunicationsTM. This was shown to and discussed with Symbol and John Major, the then CEO of Wireless Knowledge (the joint venture between Qualcomm and Microsoft).
- 12. Exhibit 4 is a February 3, 1999 signed Memorandum of Agreement between Ameranth and Symbol (who had seen Ameranth's inventions at the November 1998 FSTEC show and subsequently and who made this partnering decision and subsequently a major investment decision based largely on the value of Ameranth's inventive "menu wizard" and synchronous communications technology). At this time, Symbol was the world leader in mobile/rugged handheld devices and in 802.11 wireless technology. The fact that such a company would sign a strategic agreement with Ameranth less than 60 days after first seeing it at the FSTEC show is indisputable confirmation of industry recognition of the breakthrough aspects of Ameranth's inventions
- 13. Exhibit 5 is an April 19, 1999 press release formally announcing the formation of the Strategic Alliance between Symbol and Ameranth.
 - 14. Exhibit 6 is a May 17, 1999 press release formally announcing the

formation of the Strategic Alliance between Ameranth and Comtec Information Systems.

At this time, Comtec was the world leader in mobile printing devices.

- 15. Exhibit 7 is a May 22, 1999 press release formally announcing the formation of the Strategic Alliance between Ameranth and Hospitality Systems Inc (HSI) with HSI being designated as Ameranth's charter POS partner. At this time HSI was one of the top ten largest restaurant POS companies.
- 16. Exhibit 8 is a May 22, 1999 press release formally announcing the introduction of Symbol's new wireless devices as part of Ameranth's 21st Century RestaurantTM system at the Chicago, Illinois National Restaurant Association (NRA) show.
- 17. Exhibit 9 is a May 22, 1999 copy of the updated 21st Century RestaurantTM system brochure reflecting the addition of Symbol's new Windows CE handhelds and Comtec's mobile printers. This was demonstrated with the HSI POS software.
- 18. Exhibit 10 is a photograph of Ameranth's booth at the May 22, 1999 NRA show in Chicago taken on or about May 22, 1999.
- 19. Exhibit 11 is a set of photographs (Nos. 205, 206) from the 1999 NRA Show taken on or about May 22, 1999. In photos 205 and 206 I am shown with Manny Negreiro, President of Aloha POS and Bill Schwartz, President of Foodtrak, along with Larry Hausman, the then Publisher of Hospitality Technology magazine. Both Aloha and Foodtrak subsequently partnered with Ameranth to obtain the technology encompassed by the claims of the present application, further confirming industry recognition of the breakthrough aspects of Ameranth's claimed inventions.
 - 20. Exhibit 12 is a second set of photographs (Nos. 201, 202, 226) from the

1999 NRA Show taken on or about May 22, 1999. In photos 201/202, Dan Drummond, an Ameranth executive, is shown on the left, with John Harker, Director of Hospitality for Symbol on the right and a Comtec executive in the center. In photo 226, Kathie Sanders, Ameranth's Director of Marketing, is shown on the left, I am shown in the center and various executives from other Ameranth partners/customers are standing with us.

- 21. Exhibit 13 is a May 24, 1999 daily publication from the May 1999 NRA show in which one of the restaurant owners clearly confirms that Ameranth's wireless point-of-sale system was "really cool." While not precisely the same wording used in other confirmations from leading technology companies, the fact that a "non technologist" would also recognize the breakthrough aspects of Ameranth's inventions is additionally compelling.
- 22. Exhibit 14 is a June 17, 1999 signed Strategic Alliance Agreement between Ameranth and Food.com. Food.com was the then leading internet food ordering company and had raised \$100M in venture funding. It too had seen Ameranth's inventive technology at the May 1999 NRA show and also concluded that it needed Ameranth's inventive technology. The fact that such a company would sign a strategic alliance agreement with Ameranth less than 30 days after first seeing it at the NRA show is yet another indisputable confirmation of the breakthrough aspects of Ameranth's inventions and shows conclusively the high degree of industry recognition and adoption of Ameranth's technology encompassed by the present patent claims.
- 23. Exhibit 15 is a June 22, 1999 formal press release of the introduction of Ameranth's 21st Century HotelTM system at the June 1999 HITEC show in Atlanta,

Georgia. Ameranth again partnered with Symbol on this introduction.

- 24. Exhibit 16 is the June 22, 1999 system brochure for Ameranth's 21st Century HotelTM System introduced at the June 1999 HITEC show. The 21st Century RestaurantTM and Ameranth's core inventive concepts were integral to all aspects of the hotel market expansion as well.
- 25. Exhibit 17 is a July/August 1999 article from Hospitality Technology Magazine highlighting the introduction of Ameranth's technology at the May 1999 NRA show and concluding that Ameranth had generated the most "buzz" from the convention floor at the NRA show, yet further confirming the industry recognition of the breakthrough nature of Ameranth's menu generation and synchronization inventions.
- 26. Exhibit 18 is a July 7-29 1999 article from Hotel Business about the introduction of Ameranth's 21st Century RestaurantTM wireless technology.
- 27. Exhibit 19 is a July 15, 1999 Food.com press release formally announcing their Partnership with Ameranth. Food.com's recognition of the power of Ameranth's technology (despite their having had a patent of their own, Cupps) is confirmed by the following statement from their then Chairman/CEO Rich Franks:

Our partnership with Ameranth fits perfectly into our plans for the delivery of online orders from a consumers keyboard to a restaurant kitchen.

This clearly confirmed that even the then world's largest <u>online</u> food ordering company had instantly recognized the breakthrough Ameranth inventions and immediately concluded that they needed it too.

28. Exhibit 20 is a July 26, 1999 formal press release announcing the Strategic Alliance between Ameranth and Aloha POS. Aloha POS was then one of the top ten

largest POS companies and it was the single largest Windows™ based POS company at that time. This further confirms the value, importance and breakthrough nature of Ameranth's inventions.

- 29. Exhibit 21 is an August 2, 1999 article from Nations Restaurant News (NRN) about the Food.com and Ameranth partnership. It is especially noteworthy that in this article it is confirmed that Ameranth was, at that time, in fact already targeting its technology and inventive concepts toward the "wirelessly enabled smart devices" market. This is yet another confirmation of Ameranth's unique systemic vision and innovations.
- 30. Exhibit 22 is an August 7-20, 1999 article from Hotel Business magazine confirming Ameranth's launch of its 21st Century Hotel™ system at the June 1999 HITEC show.
- 31. Exhibit 23 is a September 1999 article from Quick Service Restaurant (QSR) magazine about the Ameranth and Food.com Partnership and includes yet another confirmation of Ameranth' systemic vision including "wirelessly enabled smart devices."
- 32. Exhibit 24 is a Fall 1999 case study about Ameranth's 21st Century Restaurant included in the Microsoft Hospitality Solutions supplement and which focused on "Real World Solutions for the Hospitality Industry." Tony Barbargallo, then Group Product Manager Productivity Appliances Division for Micros stated "With Symbol's proven expertise in mobile computing and wireless networks, Ameranth's vision and integration skills and Microsoft's innovative family of software products and solutions, we share in their vision for the 21st Century RestaurantTM." John Harker, Director of Hospitality for Symbol added, "[W]ith its 21st Century Restaurant Ameranth is providing a system solution that makes Symbol's wireless technology more accessible to the

foodservice industry so that restaurants can move away from fixed terminals and gain the benefits of wireless that other industries have enjoyed." These two statements from recognized industry leaders clearly confirmed the breakthrough aspects of Ameranth's inventions as presently claimed.

- 33. Exhibit 25 is a September 15, 1999 formal press release of Ameranth's strategic alliance with Infogenesis, another one of the leading POS systems in the foodservice market and arguably the strongest POS company in the gaming/casino market area. This is yet another confirmation of the industry recognition and adoption of Ameranth's inventions.
- 34. Exhibit 26 is a September 15, 1999 formal press release for the introduction of Ameranth's 21st Century Casino™ System at the World Gaming Congress in Las Vegas.
- 35. Exhibit 27 is a September 15, 1999 copy of the 21st Century CasinoTM system brochure, which also included the 21st Century HotelTM and 21st Century RestaurantTM system concepts and the Ameranth core inventions as integral parts of the solution.
- 36. Exhibit 28 is an October 4, 1999 copy of the formal press release of Ameranth's winning the prestigious "Innovation of the Year" award at the European Hospitality Technology Show. This is especially noteworthy in that it is rare for Europeans to provide their very top award to an American company and this award was not just for the technology area but rather for the most innovative new product in the entire foodservice market. This is summed up by the judges for the award stating:

The way that Ameranth has set out to service the individual needs of the consumer greatly impressed the judges. What Ameranth offers is a means

of simplifying many routine tasks for hospitality consumers and users and ultimately provide a superior guest service. With all of these factors in mind, the judges agreed that award for '*innovation of the year*' belongs to Ameranth.

This industry recognition certainly <u>confirmed</u> the breakthrough aspects of Ameranth's invention and validates many of the factors that clearly distinguished Ameranth's invention from <u>all prior</u> solutions.

- 37. Exhibit 29 is an October 7, 1999 copy of the formal press release announcing the Partnership between Ameranth and Systems Concept Inc (SCI), the then leading foodservice company for inventory management with its Foodtrak product line.
- 38. Exhibit 30 is a November 1, 1999 copy of the formal press release from Squirrel Systems announcing their strategic alliance with Ameranth. Squirrel is yet another of the leading POS companies in the food service market and its desire to obtain Ameranth's technology is yet another industry recognition and confirmation of the power of Ameranth's inventions.
- 39. Exhibit 31 is a November/December 1999 article about Ameranth's "new technology automates traditional processes" featured in Franchise Times (a leading Hospitality Publication). This is yet additional industry recognition.
- 40. Exhibit 32 is a November 6, 1999 article about Ameranth's wireless 21st Century HotelTM that was shown at the International Hotel/Motel show in NYC in November 1999.
- 41. Exhibit 33 is a February 3, 2000 letter from Marriott International expressing that they were "very interested" in Ameranth's 21st Century RestaurantTM system technology and that "they believed that many of its <u>innovative features</u> will enhance the efficiency of our operations, increase customer satisfaction and help increase

profitability in our operations." This provides yet additional evidence of industry recognition for Ameranth's solution which embodied the presently-claimed invention.

- 42. Exhibit 34 is an April 19, 2000 copy of the formal press release announcing the deployment of Ameranth's Wireless Technology with Starwood Hotels.
- 43. Exhibit 35 is an April 19, 2000 copy of the formal press release announcing the deployment of Ameranth's Wireless Technology with Jamba Juice restaurants.
- 44. Exhibit 36 is an April 19, 2000 copy of the formal press release announcing Ameranth's wireless technology as having been selected by Microsoft to represent "Service Sector Automation" in the launch of its Pocket PC Based Solutions.
- 45. Exhibit 37 is a Spring 2000 Microsoft Case Study on the application of Ameranth's wireless and internet technology to uniquely modernize the operations of the Improv Comedy Theatres.
- 46. Exhibit 38 is a May 22, 2000 copy of the formal press release announcing the integration of Ameranth's 21st Century CommunicationsTM solution with Microsoft's Pocket PC. Doug Dedo, Group Product Manager of the Mobile Device Division at Microsoft stated:

Ameranth provides a total turnkey solution integrating PocketPC with wireless networks and linking them to PC servers and the internet. Through this integration, Ameranth's customers are reducing costs and increasing productivity for their businesses and the customers they serve.

This is yet another confirmation of the power of Ameranth's invention and its applicability in uniquely linking wireless, web and central servers through a synchronous real time system as claimed in the present application.

47. Exhibit 39 is a series of photographs taken during the Spring/Summer of

2000 of Ameranth demonstrating its 21st Century Restaurant[™] System at various Hospitality Shows. Pictured are Kathie Sanders in the three photographs on the left and bottom right and Richard Bergfeld (co-inventor) in the upper right photo (with a customer).

48. Exhibits 40, 41 and 42 comprise a set of representative documents from Micros (then the world's largest POS company) from the Spring/Summer of 2000 which evidence that Micros sought the exclusive rights to Ameranth's inventive technology - in the Spring and Summer of 2000. This quest by Micros had followed my personal demonstration and detailed explanation of Ameranth's inventive technology to Ed Rothenberg and others from the Micros technology team in late 1999 and early 2000. Exhibit 40 is a contemporaneous memo memorializing an Ameranth phone conference with Ed Rothenberg conducted on May 9, 2000. From this call, among other points that were made, it is clear that Ed Rothenberg, then the Director of Software for Micros, stated that he "wants exclusivity" and to "leverage our IP." Exhibit 41 is a copy of a July 1, 2000 agreement which was "being negotiated" at the time between Ameranth and Micros (Micros/Ameranth Intellectual Property License, Development and Marketing Term Sheet). The key aspects of Exhibit 41 include the statement that Micros will be "Ameranth's exclusive reseller of Ameranth's Intellectual Property in the Hospitality industry." (emphasis added). Exhibit 42 is an email sent by Curt Mcleland (then Ameranth's CFO) to Ed Rothenberg on June 22, 2000 (shortly after another phone conversation with Ed Rothenberg) and which included Ameranth's pricing for Micros's proposed licensing of Ameranth's inventive software. Shortly after this, Ameranth decided that with the broad applicability and widespread acceptance of Ameranth's

inventions, that it would not make good business sense to pursue an exclusive deal with any company and Ameranth elected <u>not</u> to agree to an <u>exclusive license</u> of its intellectual property with Micros. With almost all of the other leading POS companies already partnered with Ameranth and the largest POS company (Micros) obviously seeking to "<u>exclusively</u>" license Ameranth's intellectual property, this is yet further confirmation of the uniqueness, industry recognition and industry adoption of the presently-claimed inventions.

- 49. Exhibit 43 is a June 16, 2000 copy of the formal press release announcing Microsoft's strategic investment in Ameranth, Inc. Despite its vast wealth, Microsoft did and does not make extensive investments in small companies and it very carefully chooses them. The fact that the world's largest and most powerful software company chose Ameranth as its strategic wireless partner in the hospitality market and then elected to invest in Ameranth as well is very compelling confirmation of the uniqueness and innovative aspects of Ameranth's technology.
- 50. Exhibit 44 is a July 21, 2000 San Diego Daily Transcript article about the founding of Ameranth and how the founders moved from their previous military backgrounds/experience to revolutionize the restaurant/hospitality business.
- 51. Exhibit 45 is a September 13, 2000 copy of the formal press release announcing Ameranth being selected for the prestigious Moby Award for its Wireless Mobile Computing Application.
- 52. Exhibit 46 is a November 13, 2000 article from Microsoft about the historic "Battle of the Century" in which the first ever public debate and face-to-face showdown between Microsoft and Palm (the still then leading handheld) occurred at the

Comdex Show in Las Vegas in November 2000. Each company could have chosen any software applications partner in the world to join them in this demonstration/debate. Microsoft chose me with the 21st Century RestaurantTM application to represent it, operating on the then Compaq Ipaq Pocket PC handheld devices. As this article confirms, the consensus was that Microsoft/Ameranth won the "battle" and many in the computing industry believe that this marked the turning point when the marketplace knew that Microsoft would soon overtake and displace Palm (which in fact did soon occur). Ameranth's role in such a prestigious and historic event is yet another confirmation of its innovations and is an unassailable industry recognition of the importance of Ameranth's technology encompassed by the present application.

- 53. Exhibit 47 is a November 13, 2000 Information Week article about various applications of wireless and bar code technology and significant mention of Ameranth and its inventive technology as deployed with the Improv Comedy Theatres is included in the right half of the article.
- 54. Exhibit 48 is a January 28, 2001 copy of the formal press release of the introduction of Ameranth's wireless housekeeping/Room Inspection product to Starwood Hotels.
- 55. Exhibit 49 is an April 16, 2001 copy of the formal press release of Ameranth's winning a Computerworld Laureate Medal (after having been personally nominated by Bill Gates/Microsoft).
- 56. Exhibits 50 and 51 further relate to Ameranth's Computerworld Award. Exhibit 50 is a July 5, 2001 copy of the letter received from Computerworld's "A search for new Heroes" confirming that Ameranth's award was formally included in their

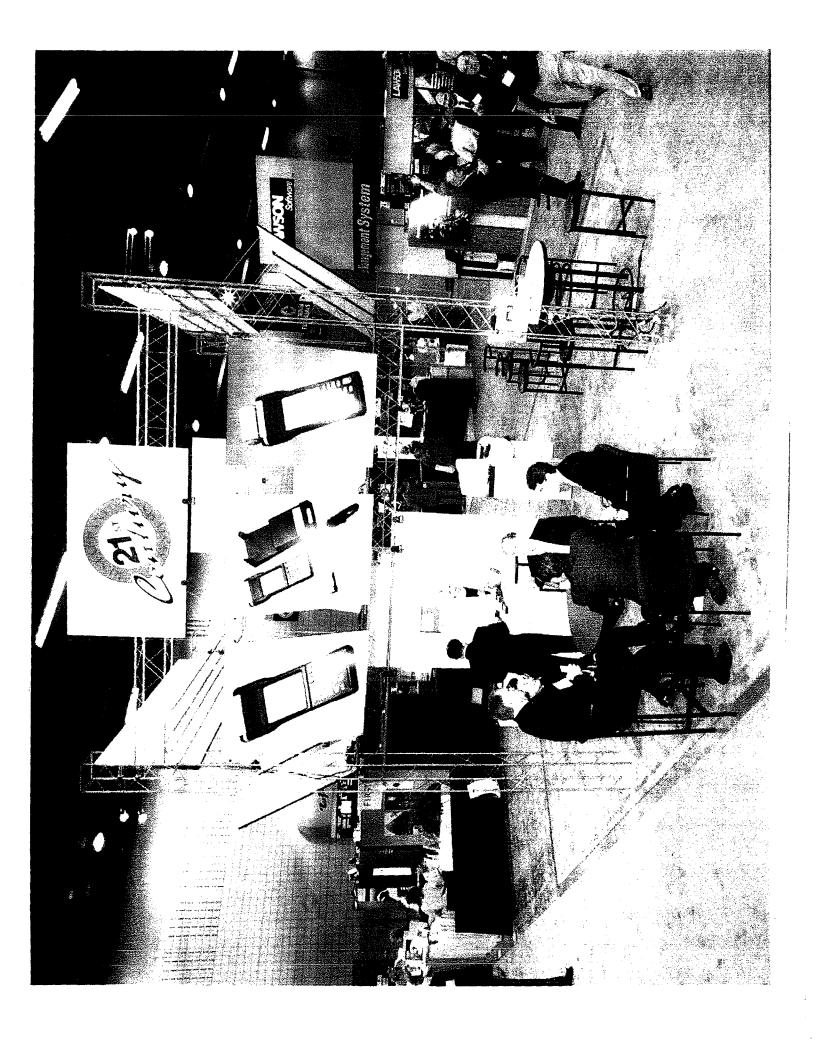
archives. Exhibit 51 is a copy of the archive award summary.

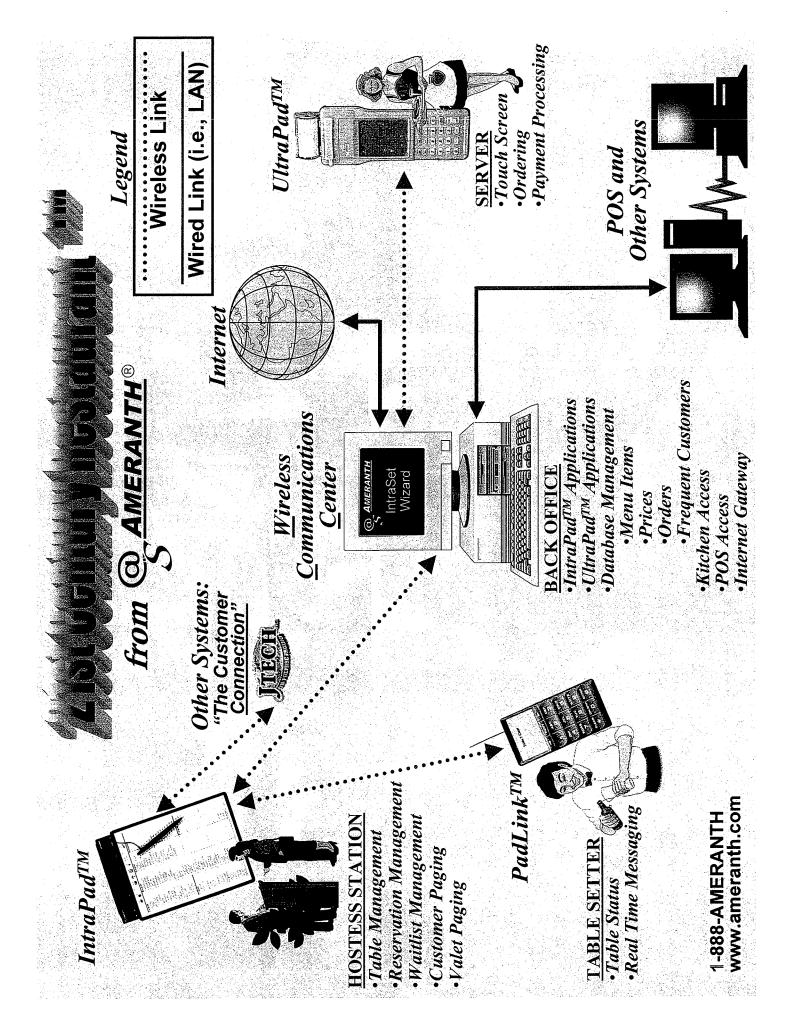
- 57. Exhibit 52 is an August 6, 2001 copy of a Wall Street Journal article about Ameranth's 21st Century RestaurantTM wireless innovations, yet further confirming the overwhelming industry recognition of Ameranth's technology encompassed by the present claims.
- 58. Exhibit 53 is an October 2001 copy of an article about Ameranth's 21st Century Restaurant in Time Magazine.
- 59. Exhibit 54 is a December 12, 2001 copy of a New York Times article about Ameranth's "brainstorm" to revolutionize restaurant operations with its wireless inventive technology and innovations.
- 60. Exhibit 55 is a May 16, 2005 Memorandum for Record signed by John Major confirming that he had been briefed by me in January 1999 and shown a copy of Exhibit 3 at that time.
- 61. Exhibit 56 is a March 29, 2008 memorandum signed by John Harker of Symbol which confirmed all previous statements herein regarding Mr. Harker and the events and actions that occurred between Ameranth/Symbol arising from the November 1998 FSTEC show. Mr. Harker clearly confirms that he received a demonstration of Ameranth's 21st Century Restaurant "wizard" technology from me and Kathie Sanders and that this led him and Symbol to promptly partner with Ameranth. Several attachments to the signed memorandum are duplicative of previous exhibits, since this document was intended to be a "stand alone" document at the time of its signing.
- 62. I respectfully request that the Examiner consider this Declaration as rebuttal evidence of nonobviousness and that the presently pending claims as amended be allowed.

63. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further, that these statements are made with the knowledge that willful false statements, and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

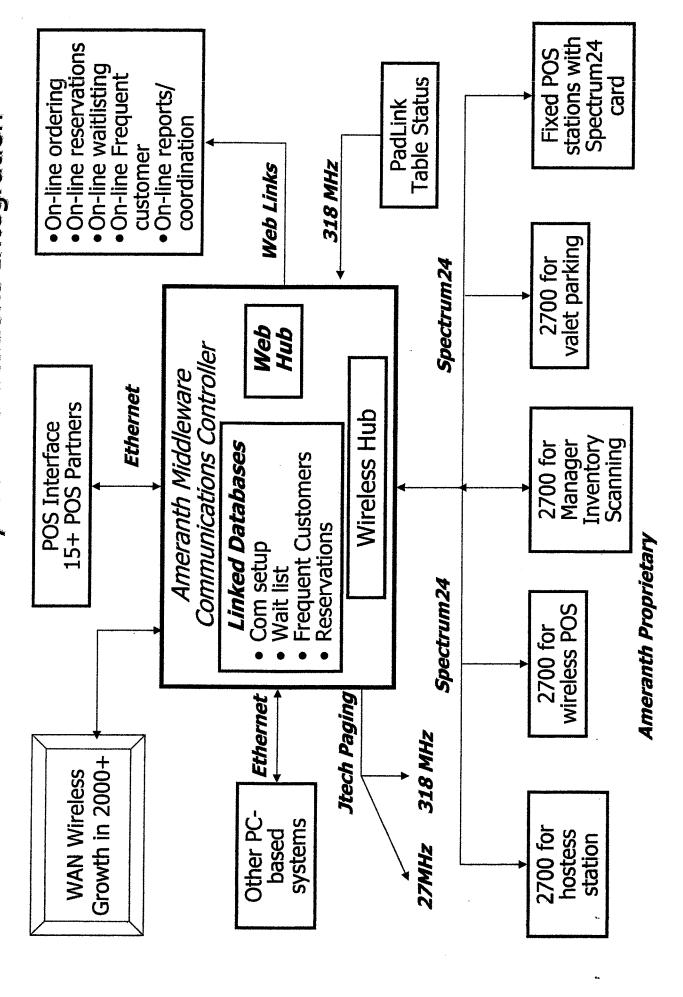
Dated: August 19, 2009

Keith R. McNally





Ameranth 21st Century Communications Integration



PWRW&G Draft: [^] 1/29/99

Memorandum of Agreement

This Memorandum of Agreement (the "Agreement") is entered into as of <u>3</u> February, 1999, between Symbol Technologies, Inc. ("Symbol"), having its corporate offices at One Symbol Plaza Holtsville, NY 11742, and Ameranth Technology Systems, [^] <u>Inc.</u> ("Ameranth"), having its corporate offices at 16079 San Dieguito Road, suite A-1, Rancho Santa Fe, CA.

WHEREAS, the parties believe that a mutually beneficial relationship should be established to leverage their respective capabilities toward the goal of maximizing sales of the parties' products in the Hospitality/Gaming and selected DOD/Law Enforcement markets (the "Markets"):

THEREFORE, the parties state and agree as follows:

- 1. The parties have signed a non-disclosure agreement that is in force and will survive this Agreement.
- 2. Attached as Exhibit A is a summary of the business agreement setting forth the respective responsibilities of the parties with respect to this Agreement.
- 3. Ameranth and Symbol will also execute a Symbol Distributer
 Agreement, substantially in the form of Exhibit B, [^] modified as the parties shall agree, and each party will adhere to all of the standard conditions [^] and obligations set forth in the agreement.
- 4. The term of this agreement will be one year from the date first written above, renewable [^] automatically for successive one-year periods, unless written notice of termination is given under paragraph 5 of this Agreement.
- 5. This Agreement may be canceled upon six months written notice from either [^] party setting forth the details of a breach of this Agreement or a default of any obligations under this Agreement, provided, however, that the defaulting party shall have ninety (90) days to cure [^] the breach or default, unless the breach or default cannot be cured in ninety days, in which case, the Agreement shall not be canceled if the defaulting party shall have undertaken commercially reasonable efforts designed to cure the breach or default. If a cancellation of Ameranth's role as the "master distributor" for Symbol products in the Markets occurs, Ameranth shall retain the right to purchase and [^] use Symbol wireless products [^] within its products.
- 6. The nature of this agreement, the fluidity of technology, market evolution, the introduction of new products and related developments require an exceptional level of trust between the parties and flexibility in the implementation of

the Agreement to ensure that the relationship is fair and equitable to both parties. As the "master distributor" for Symbol in the Markets Ameranth will be committing assets and making investments to further the sales of Symbol products. In so doing, Ameranth will realize benefits in margins between the prices it pays for products and those offered to others in the distribution network, and enjoy collateral sales of its products through these efforts and opportunities. Ameranth's efforts in these markets and the benefits that it realizes will be directly related to the value that Ameranth brings to the efforts and in such cases where sales occur in the Markets for which Ameranth did not contribute (e.g. Symbol "exclusions" as indicated in [^] Exhibit A[^]), Ameranth will not realize any direct compensation. The parties will address and resolve any issues in this regard in an equitable and fair manner.

- The parties will designate within 10 days of the signing of this agreement the official representative for each party through which all actions, changes and/or issues associated with the Agreement will be addressed.
- Changes will be subject to mutual agreement. [^] The parties will 8. cooperate closely on pricing strategies because it is expected that frequent changes will be required to accommodate competitor actions and market changes.
- This Agreement will be governed by the laws of the State of New York applicable to contracts made and to be performed entirely in that state. [^]
- This Agreement, Exhibit A. the non-disclosure agreement and the Symbol Distributor Agreement, as executed, comprise the entire agreement and understanding of the parties relating to the subject matter of this Agreement and supersede all prior agreements, arrangements and understandings, whether written or oral, relating to the subject matter of this Agreement. [^]

IN WITNESS WHEREOF, the parties have executed this Memorandum of Agreement on the date first written above.

SYMBOL TECHNOLOGIES, INC

Name: MARK

Title: V.P. WESTERN

AMERANTH TECHNOLOGY_SYSTEMS, INC.

Keith McNally

Title: Chief Executive Officer

PWRW&G Draft: 1/29/99

Agreement to Synchronize Efforts in Selected Markets

1. Symbol Technologies, Inc. ("Symbol") and Ameranth Technology Systems, Inc. ("Ameranth") have agreed to combine their efforts in the Hospitality/Gaming and selected DOD/Law Enforcement markets [^] with the expectation that the resulting cooperation will achieve better results for the companies than if they pursued these markets independently. The cooperation will primarily take the form of a product distribution agreement. To maximize results, however, the two companies will attempt to synchronize their development and marketing efforts in order to achieve the earliest and broadest market results possible.

2. Ameranth responsibilities/key actions:

- A. Ameranth will establish the Symbol Spectrum 24^{nM} wireless LAN network as its standard for its 21^{ST} Century Restaurant System and other 21^{ST} Century systems. Ameranth will also change its current product upgrade paths for the Intrapad, Padlink [1] and Ultrapad from previous wireless baselines to the Spectrum 24 [1] metwork products and ensure that these Ameranth products are interoperable with the Spectrum 24^{nM} network. Ameranth will also seek to link the Spectrum 24^{nM} backbone to/with its other emerging partner links (e.g. CDMA/CDPD) and with web based links designed to achieve a totally integrated solution around the Spectrum 24^{nM} standard.
- B. Ameranth will cancel its planned CE upgrade to the Ultrapad™ and switch to the 2700 product family as its future mobile computing device. This will also include switching its outstanding proposals to a 2700 baseline as soon as feasible. Ameranth will work with Symbol to develop a modified version of the standard 2700 (e.g., case color change or other minor changes) to enable Ameranth to market a unique, branded version. Ameranth also [^] reserves the right [^] to produce custom accessory options (e.g. a SMART Card reader, and/or a slightly more EMI robust case) and to offer these options to Symbol for possible broader application in non-Ameranth markets. Additionally, [^] having agreed that there is a mutual desire for broader cooperation, Ameranth will propose to align its future product developments (e.g Bluetooth enabled devices) to leverage from and complement Symbol's strategic direction.
- C. Ameranth will dedicate its resources to making the Spectrum 24[™] wireless network and family of products [^] the industry standards within Ameranth's core markets as quickly and as broadly as possible.
- D. Ameranth will develop and execute a comprehensive product launch strategy for the Spectrum 24TM network and the 1700/2700 mobile devices for the May[^] 1999 National Restaurant Association ("NRA") Show in Chicago. This strategy will include an advertising campaign, a complete upgrade of

brochures/handouts, a mailing campaign[^], preparation of dealer/distributor packages, a press release, a state-of-the-art booth, pricing strategies, software development kits, and similar actions [^] designed to achieve maximum results. Additionally, Ameranth will, in cooperation with Symbol, select 5-10 leading POS companies [^](e.g., Infogenesis, HSI, Aloha, Squirrel, GEAC[^] and Radiant) to have the products launched simultaneously in their booths at NRA. These POS companies and other partners will be under [^] non-disclosure agreements prior to the product launch. In parallel, [^] the parties will jointly select with the Symbol team other best-of-breed partners in additional key areas of the 21ST Century Restaurant system (e.g. IBM for servers/displays/integration), 1-2 frequent dining database suppliers, 1-2 paging companies (e.g., JTECH, Signologies)[^] and 1-2 credit card authorization companies (e.g., NPC), so that a totally integrated system solution is available for customers of [^] various sizes and needs, centered around the Spectrum 24TM wireless network and family of products.

- E. Ameranth will modify its Software Wizard development environment to enable POS suppliers and/or the customers themselves to quickly develop hand-held POS applications for the CE screen of the 2700. [^] Ameranth will work with Symbol, Microsoft and others to offer a [very easy] [^] programming environment. [^] Ameranth will also provide a tailored version for the smaller screen of the 1700 and work with one or more software developers Symbol selects from its ongoing efforts with the Palm OS [^] as an option for the integrated 21ST Century Restaurant system.
- F. Ameranth will prepare and present to Symbol management a detailed 1999/2000 business plan for this coordinated effort. A draft will be presented by March 1, 1999 (assuming the relationship is established not later than February 1, 1999) and it will be finalized approximately April 1, 1999. It is envisioned that the development of this plan will be a team effort leveraging from Symbol's experience in similar product/market launches. Subsequently, the plan will be reviewed at least quarterly and appropriate adjustments will be made to either exploit success or address any shortfalls.
- G. Ameranth will initiate infrastructure and personnel expansion efforts in preparation for and in parallel with the product launch at NRA [^] so that the proper resources are in place/available not later than May 20, 1999 to ensure quality support for the expected large industry response to the product launch. This will include but not be limited to, sufficiency of prototypes, software development kits, 1-800 call-in support, rapid repair and equipment support options, technical support, dealer kits, availability of supplies/accessories etc. Additionally, Ameranth will prepare a significant upgrade to its web-site to make all key specifications and product information available over the web and to [^] prepare for web commerce. The details of this structure will be coordinated with Symbol in advance and included in the overall business plan referred to in paragraph 2(F) above.

- H. Ameranth will develop and support a comprehensive distribution/pricing strategy so that sufficient margin exists at the various channels to provide attractive margins/profits for the family of products to become the runaway success both companies wish them to be. This will require Ameranth to [^] work closely with the channel partners, and in coordination with Symbol, to make adjustments to maximize market share and to focus on optimizing the sales volume and market share.
- I. Ameranth management will work closely with the Symbol management team to ensure that this cooperative effort is very successful and that problems/issues, if any are dealt with quickly and through the cooperation of the respective management teams.

J. Ameranth [] [registers] the following accounts as Ameranth accounts: Litton, SAIC, Cache Box, HSI, WirelessKnowledge, Tangent, JTECH and 4-5 international military markets with an aggregate potential of approx 50,000 2700's, and many thousands of Spectrum 24 wireless cards/phones and Access Points during the period of Q499 to Q2 03. Note: these are markets/contracts that will be reached through/with Litton as opposed to direct sales. [^] Ameranth will respect the [excluded registered accounts] of which Symbol advises it.

3. Symbol Responsibilities/key actions:

A. Symbol [^] has selected Ameranth as its master distributor and launch partner for the Spectrum 24TM and 1700/2700 products within the Hospitality/Gaming and [^] certain DOD/Law Enforcement markets. Ameranth will be authorized to brand a version of the 2700. Symbol will support Ameranth's 21St Century RestaurantTM System with the Spectrum 24TM family of products.

B. Symbol will assist Ameranth in achieving success through its experience, marketing networks, pricing incentives, engineering support and other appropriate actions that Symbol deems complementary to the overall objectives. Symbol will provide Ameranth a reasonable amount of no-cost loaners, demo units etc. to facilitate preparations for the NRA product launch.

C. Symbol will provide its Spectrum 24th PC cards to Ameranth at very aggressive prices [^1(e.g., \$150.00)] for those embedded applications only within Ameranth products so as to enable them to meet the requisite price points and to achieve a totally integrated Spectrum 24th network. Ameranth will not disclose these special prices (nor will they be discernable to the market), except as required by law, and these specially priced cards will only be for Ameranth's embedded product use.

 $[\]underline{\nu}$ To be clarified.

D. Symbol will make its Spectrum 24TM family of

- D. Symbol will make its Spectrum 24^m family of products available to Ameranth for overall distribution within Ameranth's markets and at price points that enable Ameranth to be profitable while distributing products to the channel partners/distributors/dealers.
- E. Symbol will keep Ameranth reasonably apprised of its future product strategy so as to enable Ameranth to align its strategy to be complementary.
- F. Symbol will, from time to time, offer Ameranth an opportunity to bid to provide hardware/software options supportive to the Symbol product line (e.g., a SMART Card reader option). It will be in Symbol's sole discretion to determine if Ameranth's bid provides the best-value solution for [^] Symbol's needs.
- G. Symbol will share leads and cooperate on market strategy with Ameranth in areas supportive to the common goals and that do not conflict with Symbol's other partners, commitments and/or relationships.
- H. After reviewing Ameranth's business plan in March/April 1999, Symbol will consider providing financial support and/or incentives (e.g., deferred payments, advances etc.) so as to enable Ameranth to achieve [^] greater market penetration and sales. It will be in Symbol's sole discretion to determine what support of this nature, if any, is provided depending on the merits of the business plan and the results achieved.
- I. Symbol will assign an Ameranth account manager through which regular business arrangements will be transacted. Strategic actions/decisions will be coordinated with/through the Symbol Director of Hospitality/Gaming.
- J. Symbol will support Ameranth's efforts in its registered accounts.

 Symbol will advise Ameranth of the [registered accounts] to be excluded from this Agreement. A mutually agreed upon list of [registered accounts] will be finalized within ninety (90) days of the date of the Memorandum of Agreement.



FOR IMMEDIATE RELEASE

Contact: Kathie Sanders 703-281-4995

AMERANTH TECHNOLOGY SYSTEMS[™] AND SYMBOL TECHNOLOGIES[®] REACH AGREEMENT ON FORMATION OF STRATEGIC ALLIANCE

RANCHO SANTA FE, California, April 19, 1999—Ameranth Technology Systems, Inc., a leading provider of Wireless Systems Solutions to the hospitality industry, announced today agreement has been reached on the formation of a strategic alliance with Symbol Technologies, Inc. of Holtsville, New York.

Under terms of the agreement, Ameranth will be Symbol's launch partner for revolutionary new wireless computing products and Ameranth will incorporate Symbol's Radio technologies into Ameranth's family of products.

The first products of the Alliance, operating on Symbol's Spectrum24[®] Radio System, will be introduced at this year's National Restaurant Association Show in Chicago, May 22-25. These new products will put order taking, payment processing (credit card, debit card, smart card), inventory control, process control, management interface, short and long range communications, and other applications in the palm of the hand, operating on Symbol's Spectrum24 system.

Symbol Technologies Spectrum24 is an affordable, 2.4GHz spread spectrum, frequency hopping, wireless Local Area Network, which is 802.11 compliant and which provides robust, secure, data and voice communications. It communicates at 2 Mbps and handles data and real-time voice simultaneously over the same wireless LAN.

"Our mission is to work with Symbol to provide the world-wide-standard wireless systems solution," said Keith McNally, CEO of Ameranth. "The integration of Symbol's unparalleled technological advancements into our product line will allow our customers to deploy fully integrated software and hardware solutions that will provide for optimal service, efficiency, and profitability for years to come."

"As a world-leading supplier of mobile computing wireless local area networks and related technologies, Symbol already provides the standard wireless solution for many industries. Our Agreement with Ameranth will allow Ameranth to carry our standard of technological excellence into industries where they are already playing a leading role," said Joe McCormick, Senior Director for Emerging Technologies at Symbol Technologies.

In addition to appearing at the National Restaurant Association Show, Ameranth will showcase its new products at HITEC in Atlanta, June 22-24; The Western Foodservice & Hospitality Expo in Los Angeles, August 21-23; MUFSO in Dallas, September 12-15; The World Gaming Congress & Expo in Las Vegas, September 14-16; FS/TEC'99 in Dallas, November 1-3; and the International Hotel/Motel & Restaurant Show in New York, November 6-9.

Ameranth Technology Systems, Inc. was founded in 1996 primarily to provide wireless computing solutions to the hospitality, gaming, defense, and law enforcement industries and markets. Ameranth's products include handheld computers, scanners, access points, printers, and related software.

Symbol Technologies, Inc. is a global leader in mobile data management systems and services with innovative customer solutions based on wireless local area networking for voice and data, application-specific mobile computing, and bar code data capture. Symbol's wireless LAN solutions are installed at more than 40,000 customer locations, and more than seven million Symbol scanners and application specific scanner-integrated mobile computer systems are in use worldwide. Symbol and its global network of business partners provide solutions for retailing, transportation and distribution logistics, parcel and postal delivery, healthcare, education, manufacturing, and other industries.

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For additional information you may e-mail Kathie Sanders at <u>ksanders@ameranth.com</u>

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FOR IMMEDIATE RELEASE

AMERANTH TECHNOLOGY SYSTEMS™ AND COMTEC INFORMATION SYSTEMS ANNOUNCE THE FORMATION OF A STRATEGIC ALLIANCE

Contact: Kathie Sanders 703-281-4995

RANCHO SANTA FE, California, May 17, 1999–Ameranth Technology Systems, Inc., a leading provider of Wireless Systems SolutionsTM, announced today that an agreement has been reached on the creation of a new strategic alliance with Comtec Information Systems, Inc., Warwick, Rhode Island. The Ameranth-Comtec alliance will leverage Ameranth's existing strategic alliance with Symbol Technologies, which was announced on April 19, 1999, under terms of which, Ameranth is Symbol's launch partner for revolutionary wireless computer products.

Under terms of the Ameranth-Comtec agreement, Ameranth will make use of Comtec's advanced printing technology to launch a line of printers targeted at automating restaurants. These products will enable on-the-spot printing of customer receipts and other hard-copy records. Comtec will provide engineering, manufacturing, and technical support, thereby freeing Ameranth to concentrate its efforts on mobile computing and wireless communications technology, which are Ameranth's core strengths.

The first new product resulting from the alliance is a portable printer that will print receipts for handheld, point-of-sale applications. The new printer weighs only one pound, clips to the operator's belt, and has a clamshell design for easy paper loading. The printer is shock protected and weatherproofed so as to be usable outdoors in most conditions, and it has an optional bidirectional, dual track, magnetic card reader, which makes it ideal for hospitality applications.

"We are excited about the alliance with Comtec," said Keith McNally, CEO of Ameranth, "because Comtec provides the best portable printing solutions in the world and because Comtec is a first-rate engineering organization that focuses on portable printing and that can be counted on to provide industry leadership in that area for years to come. Comtec consistently delivers rugged, durable, easy-to-use, state-of-the-art products. They are an ideal partner for Ameranth, because we can depend on them to have their part of system development completely covered."

-more-

Robert Petteruti, Comtec's President and COO, echoed his counterpart's sentiments. "We strive to design and manufacture the finest portable printing solutions in the world," he explained, "but it takes an association such as this new alliance with Ameranth to really project our printers into new and explosive markets. Partners like Ameranth give us an extra dimension. They integrate our equipment into expert systems that profit business segments that are new to us. This helps us, it helps Ameranth, and I am especially impressed by the potential we now have to help a whole new class of customers in the Hospitality Industry."

The first of new products resulting from the Ameranth-Comtec alliance will be introduced at this year's National Restaurant Association (NRA) Show in Chicago, May 22-25. In addition to appearing at booth 6254 at the NRA Show, Ameranth will showcase its new products at the HITEC Exhibition in Atlanta, June 22-24; the Western Foodservice & Hospitality Expo in Los Angeles, August 21-23; the Multi-Unit Foodservice Operator Show (MUFSO) in Dallas, September 12-15; the World Gaming Congress & Expo in Las Vegas, September 14-15; the Foodservice Technology Show (FSTEC '99) in Dallas, November 1-3; and the International Hotel, Motel, and Restaurant Show in New York, November 6-9.

Ameranth Technology Systems, Inc., was founded in 1996 primarily to provide wireless portable computing solutions to the hospitality, gaming, defense, and law enforcement industries and markets. Ameranth's products include handheld computers, scanners, access points, printers, and related software.

Comtec Information Systems, Inc., is the industry leader in the design, manufacturing, and support of innovative portable and desktop thermal printing solutions. At the forefront in the development of short-range RF and infrared communications, Comtec offers the smallest and lightest portable printers available today. The company's in-house media department offers a variety of preprinted and custom-formatted media supplies.

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For additional information you may e-mail Kathie Sanders at ksanders@ameranth.com

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News Release

May 22, 1999 Contact: John Cavanaugh

Phone: (888)HSI-POS1 E-mail: johnc@hsi-pos.com

Embargoed Material For Release May 22, 1999

Hospitality Solutions International Signs on as Charter POS Partner for Ameranth Technology System's 21st Century Restaurant System

Hospitality Solutions International (HSI), total solution provider to the international hospitality community, has signed on as the charter POS partner for Ameranth Technology System's 21st Century Restaurant System™, debuting this week at the National Restaurant Association Show in Chicago's McCormick Place. The 21st Century Restaurant System features Ameranth's UltraPad™ 2700, a ¾ pound, wireless, handheld computer utilizing Microsoft Windows™ CE. Other key partners include Symbol® Technologies, Inc., IBM®, JTECHSM Communications, Inc., COMTEC Information Systems, Inc., and The Customer Connection, Inc. This state of the art wireless technology will be displayed at the two company's tradeshow exhibit booths, #5571 (HSI) and #6254 (Ameranth), located on the third level of McCormick Place. Hospitality Solutions International is a recognized leader in the development of technology solutions for the hospitality industry. The complete line of HSI products, HSI POS™, Jaguar™ PMS, Falcon™ CRS and Cobra™ Sales and Catering are designed utilizing the latest tools in the Microsoft Development Library and realize the inherent benefits of Windows NT™ 4.0 O/S and Microsoft SQL™ Server.

The 21st Century Restaurant System utilizes the Microsoft's family of software products and Symbol Technologies Spectrum24 wireless network. Spectrum24 is an affordable, 2.4 Ghz spread spectrum, frequency hopping, wireless Local Area Network, which is 802.11 compliant and provides robust, secure, data and voice communications. It communicates at 2 Mbps and handles data and real-time voice simultaneously over the same wireless LAN. Microsoft Windows CE offers exceptional capabilities with seamless integration with the databases of information already in place throughout the hospitality industry.

HSI recognizes the positive, long-term effects wireless communications will have on the hospitality technology industry. "HSI is particularly excited about the benefits that wireless communication provide to the end user," says George A. Zugmier, President of HSI. "When coupled with a comprehensive POS application like our own, the rewards for operators of restaurants, hotels, resorts and stadiums are endless. Ameranth and their partners have worked diligently to develop wireless technologies that will serve the hospitality community well into the next century," he adds.

"We are very excited that HSI has chosen to be our charter POS partner. HSI has a strong leadership position in the industry and enjoys a reputation as an innovator," said Keith McNally, CEO of Ameranth.

The 21st Century Restaurant System allows for wireless automation and integration of all restaurant processes including order taking, payment processing, inventory control, process control, wait-list management, table management, short and long range communications, and a host of other applications. Palm-in-hand control increases productivity, reduces costs and can dramatically improve customer service.

Ameranth Technology Systems, Inc. was founded in 1996 primarily to provide wireless computing solutions to the hospitality, gaming, Department of Defense, and law-enforcement industries and markets. Ameranth's products include handheld computers, scanners, access points, printers, and related software. You can view their entire line of products at the NRA Show, Booth #6254.

Hospitality Solutions International, a Microsoft Certified Solution Provider, maintains corporate offices strategically located in Scottsdale, Arizona and Boca Raton, Florida. Regional offices are established in Los Angeles and Chicago, with additional satellite offices located throughout the United States. International offices are located in Toronto and Vancouver, Canada as well as London, Paris, Stockholm, Hong Kong and Sydney. HSI is financially backed by GEOCapital Partners.



FOR IMMEDIATE RELEASE

AMERANTH TECHNOLOGY SYSTEMS TM And SYMBOL TECHNOLOGIES® ANNOUNCE 21st CENTURY RESTAURANT SYSTEMTM

Contact: Kathie Sanders 703-281-4995

Handheld Computer and Wireless LAN Technology Automates Traditional Restaurant Processes

CHICAGO, May 22, 1999–Ameranth Technology Systems, Inc., a leading provider of Wireless Systems Solutions[™] to the hospitality industry, and Symbol Technologies, Inc., (NYSE: SBL) a world leader in wireless mobile computing, today announced the 21st Century Restaurant System at this year's National Restaurant Association (NRA) show.

The 21st Century Restaurant System is a fully integrated system that provides a long-awaited hospitality industry solution for traditional restaurant processes. The centerpiece of the 21st Century Restaurant System is Ameranth's UltraPad™ 2700, a handheld computer that integrates Symbol's Spectrum24 wireless local-area network and the Microsoft (NSDQ: MSFT) Windows CE operating system.

The combination of the three technologies offers unprecedented benefits to restaurateurs and their clientele. The 21st Century Restaurant System allows restaurant processes, including order taking, payment processing (credit card, debit card, smart card), inventory control, process control, waitlist management, table management, personnel management, management interface, valet parking, frequent-diner program interface, short- and long-range communications, and other applications, to be managed and controlled from Ameranth's handheld computer, dramatically increasing productivity, reducing cost, and improving customer service.

The Ameranth handheld computer communicates to other restaurant computers and devices by the Symbol Spectrum24 wireless local area network. Symbol's wireless local area network is based on industry standards and is the technology of choice at more than 40,000 customer locations in a number of global markets.

-more-

Other key partners in the 21st Century Restaurant™ System include IBM, for back-office server hardware and large-scale implementations; JTECH, the world leader in on-premise paging, for paging systems; Comtec Information Systems, a world leader in mobile printing, for portable printers; The Customer Connection, a leader in frequent dining-programs, for frequency programs; System Concepts, Inc., the developer of FOOD-TRAK®, the industry's first and foremost food and beverage management system for back-office inventory and recipe and menu management; and leading POS, companies, led by the charter POS partner, Hospitality Systems International HSI, a leading POS company for both restaurants and hotels. Additional partners will be announced.

Spectrum24, Symbol's open-architecture wireless network, provides high-performance data and voice-over-IP communications with excellent immunity to interference. Its frequency hopping technology ensures robust and reliable data throughout. Spectrum24 also features selectable power management for application optimization, as well as encryption capabilities to ensure data security. Spectrum24 is designed to support the IEEE 802.11 wireless LAN standard. Operating in the 2.4GHz band using spread-spectrum modulation, Spectrum24 allows fast, seamless roaming with load balancing among cells. Its capacity and range are expandable through the use of multiple access points.

Microsoft Windows CE offers exceptional capabilities with seamless integration with the databases of information already in place throughout the hospitality industry.

"Our mission is to work with Symbol and Microsoft to provide worldwide-standard wireless systems solutions," said Keith McNally, CEO of Ameranth. "Ameranth's integration of Symbol's unparalleled technological advancements and the Microsoft Windows CE platform with the other capabilities of our partners will allow customers to deploy fully integrated software and hardware solutions that will provide optimal service, efficiency, and profitability for years to come"

"As a world-leading supplier of mobile computing wireless local area networks and related technologies, Symbol already provides the standard wireless solution for many industries. Our agreement with Ameranth and relationship with Microsoft will allow Ameranth to carry our standard of technological excellence into industries where they are already playing a leading role," said Joe McCormick, Senior Director for Emerging Technologies at Symbol Technologies.

"We are pleased that Ameranth and Symbol have chosen Windows CE as the mobile-computing backbone for the introduction of their 21st Century Restaurant System," said Tony Barbagallo, group product manager, Productivity Appliances Division, Microsoft Corp. "With Symbol's proven expertise in mobile computing and wireless networks,

Ameranth's vision and integration skills, and Microsoft's innovative family of software products and solutions, we share in their vision for the 21st Century Restaurant System."

In addition to appearing at the National Restaurant Association Show, Ameranth/Symbol will showcase their new products at HITEC in Atlanta, June 22-24; The Western Foodservice & Hospitality Expo in Los Angeles, August 21-23; MUFSO in Dallas, September 12-15; The World Gaming Congress & Expo in Las Vegas, September 14-16; FS/TEC'99 in Dallas, November 1-3; and the International Hotel, Motel & Restaurant Show in New York, November 6-9.

Ameranth Technology Systems, Inc., was founded in 1996 primarily to provide wireless computing solutions to the hospitality, gaming, defense, and law-enforcement industries and markets. Ameranth's products include handheld computers, scanners, access points, printers, and related software.

Symbol Technologies, Inc., is a global leader in mobile data management systems and services with innovative customer solutions based on wireless local-area networking for voice and data, application-specific mobile computing, and bar-code data capture. Symbol's wireless LAN solutions are installed at more than 40,000 customer locations, and more than 7 million Symbol scanners and application-specific scanner-integrated mobile computer systems are in use worldwide. Symbol and its global network of business partners provide solutions for retailing, transportation and distribution logistics, parcel and postal delivery, healthcare, education, manufacturing, and other industries.

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For additional information you may e-mail Kathie Sanders at ksanders@ameranth.com

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Wireless Systems Integration

Valet Parking

- Dining card, name, license plate, etc. • Remote wireless input of Frequent
- Auto-request car when finished dining

Hostess

Station

Table

Manager

top customers Notified of

Touch screen

management

Frequent

Server

management

Wait-list

management

Reservation

Credit card/

ordering

processing Signature capturing

Customer

paging

tracking

Dining

Valet paging

payment

- Reports safety issues
 - Manager functions

Monitor/Printer options









Microsoft

- Orders
- Frequent customers
 - Kitchen access
- Internet gateway

Frequent Dining, credit card processing, POS, Corporate and other systems

• Frequent Dining Program

The Customer Connection

POS Station

server order input

Wireless ready

Direct wireless

Kitchen

POS system

notification

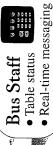
server













Applications software

Restauna

• Pager lets customer relax in

Waiting for Seating

 Auto-page when table ready bar or garden while waiting

TECH

NstCeut

AMERANTH

- Database management - Menu items - Prices
- POS access

Real Time Web Access

- Credit card approval
- Frequent Dining data updates Corporate data exchange
- Online reservations and waitlisting



1 (888) AMERANTH www.ameranth.com

> Server IBM®

PadLink"



1st Century Restaurant™

AMERANTH) 21st Century Restaurant

The System Control Center is a high-tech blend of key software functions integrated to maximize restaurant efficiency. Imagine having, at your fingertips, real-time access to all critical information pertaining to restaurant operations. Wireless access to e-mail, reservations, frequent-customer data, food menus and the POS system, all at the touch of a button.

Let's walk through the workflow of a standard restaurant and describe how Ameranth's revolutionary system improves efficiency at each critical node.

Reservations

Ameranth's 21st Century Reservation System offers the restaurant manager a variety of means to process reservations. Diners can access the restaurant's reservation in-house reservation UltraPad 2700 can graphically review open system online via amer-

anth.com to view table availability and reserve tables based on specific

With Ameranth's UltraPad™ 2700, the hostess can graphically review open tables and query table status for wait times for a given table configuration.

criteria. Diners can also phone in reservations. Office personnel can enter these reservations directly into the Control Center Server, or an employee can enter the data remotely using the UltraPad™ 2700 and wireless network.

Frequent Dining Program

Ameranth's Customer Select frequency application offers the restaurant a seamless way to enroll, track and manage frequent-customer programs. Ameranth's relational database, available both locally on the restaurant's Command Center Server and via the Internet from a central database, gives the restaurant manager access to key customer data. This data include table and dining preferences, anniversary dates and other information that provides the customer with a



higher level of service. Ameranth's Customer Select frequency application also interfaces seamlessly with existing customer frequency programs such as those available from The Customer Connection and Customer Knowledgy.

Waitlist and Table Management

Ameranth's line-busting Waitlist Management application places key restaurant seating functions in the hands of the hostess and/or the restaurant manager. The integration of existing reservations and walk-in waitlisting is critical to customer satisfaction and maximum table turns per shift. With Ameranth's UltraPad™ 2700, the hostess

tables and query table status for wait times for a given table configuration, e.g., table for six, non-smoking, by a window. Synchronized with the Command Center Server via the 2.4GHz wireless local area network, the hostess always knows reservation and AmPrint" 2100 notifications and other functions wait status. The system calculates wait times based upon historical data

and standard restaurant practices (day, time, table configuration, number in party, etc.). The system automatically recommends the next available table for the waiting party and will page the party when the table is being prepared for seating.

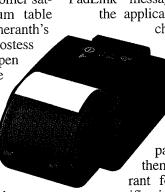
Table Status Application

How does the Command Center and, therefore, the hostess know the status of a table? Ameranth™ developed the low-cost PadLink[™] as a means to send wireless messages indicating table status to the Command Center. Available table status messages include "table available," "table occupied," "bussing in process," "tables x and y connected" and others. For example, when the Waitlist and Table Management Function receives the PadLink™ message "bussing in process,"

the application identifies the table characteristics and match-

> es those characteristics to the party waiting the longest for that table. At that time, the hostess can prepare the party to occupy the table, or send a page to the party notifying them to return to the restaurant for seating. Wait times,

formerly performed by the hostess are automatic, allowing the hostess to focus on customer interaction and providing a higher level of service.



Command Center PC Server

- 2.4GHz connectivity throughout restaurant.
- Online reservations
- Frequent-customer application.
- Restaurant/statistics table turns
 - sales per server
 - peak period analysis
 - other custom functions

Server Station

 UltraPad™ 2700 handheld computer communicates with hostess station and Command Center via 2.4GHz wireless LAN

Hostess Station

• UltraPad™ 2700 handheld computer talks to Command Center via 2.4GHz wireless LAN

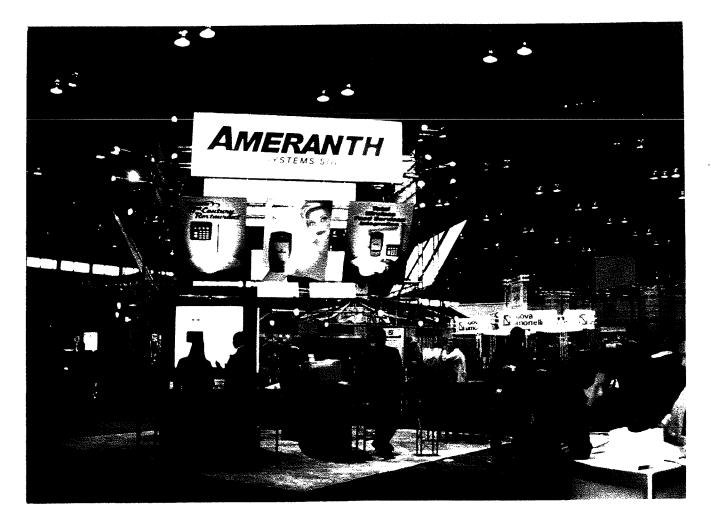
- -waiflist management
- customer paging/valet parking UltraPad* 2700 communicates with PadLink" table status indicator via
- 2.4GHz wireless LAN

or delete

- hostess station updated with table available, occupied or bussing status hostess station updated with status of tables/chairs moved, connected



AMERANTH TECHNOLOGY SYSTEMS, INC. 12230 El Camino Real, Suite 330 San Diego, California 92130-2090 1 (888) AMERANTH www.ameranth.com



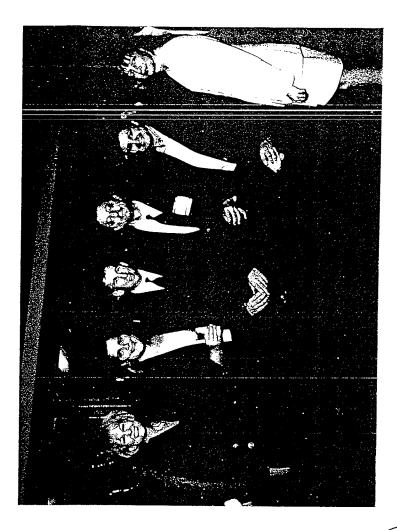


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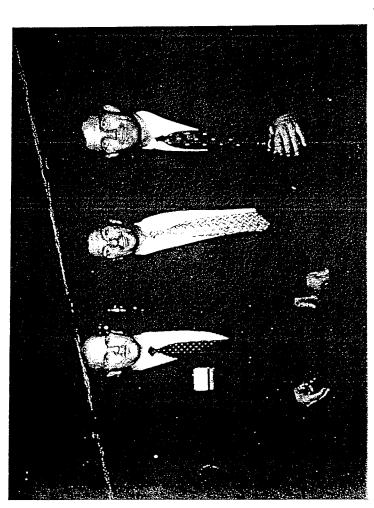


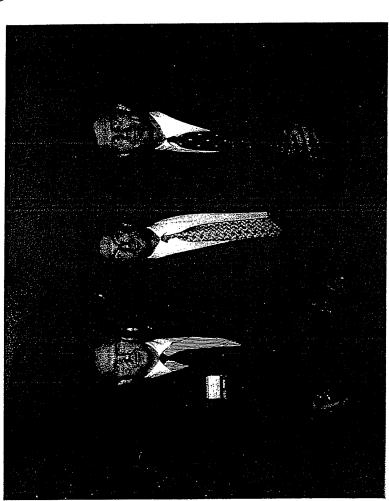
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RESTAURANT SHOW DAILY

What's the most interesting thing you've seen or heard during the Show?

2 Monday, May 24, 1999



announcing some important info from a study on women Foodservice Forum will be "Tomorrow, the Women's foodservice industry." executives in the

---David Winkel, executive vp business development, Marketing Strategy and Planning, Inc., Rocky



system. We're looking into it." -Dean Langfitt, director of Grinders, Minerva, OH management information services, "What I thought was really cool was Smucker's Plate capers and Ameranth's vireless point-of-sale



alternative. Nutrition is the "McFarland's Foods has an all-chicken bacon way to go."

-Jeff Guilmette, command Hurlburt Field, FL foodservice manager, Air Force,



can sit in the refrigerator for doesn't need to be frozen. "There's a new French fry from Lamb Weston that up to five days."

-Karen Roberts, marketing Services, Newark, DE manager, Sodexho Marriott



"Coconut breaded onion

-Michael Dant Miller, Bob Marks, owners, Wilbert's Bar & Grille,

Cleveland, 0H

06/Z1/99 MON 16:30 FAX 415 981 4801

POOD . COM

Food com/Ameranth Strateric Alliance

GENERAL: Food.com and Ameranth have agreed to establish a strategic alliance to exploit their respective skills and capabilities to optimize the success and value of both companies.

NATURE OF RELATIONSHIP: Food.com intends to become the standard in internet food ordering and then to expand that base into other areas. Ameranth not only supports that goal but will assist Food com in schieving is through its own initiatives as well as those of its other smalegic partners. Amerand will establish Food.com as the standard online food ordering system in its 21s Century Restaurant TM System, 21 Century Hotel * System, the 21 Century Casino To System and 21 Century Theme Park to System. The latter two will be announced in Sept 99 and Q1 2000 respectively. Ameranth will aggressively pursue relationships and interfaces with all of the major POS suppliers and include Food.com ordering interfaces in its back-office software/Windows based communications module. Ameranth will also develop and market wireless links on its Ultrapad TM 2700 Windows CE terminal to the Food.com site through its relationships with Symbol, Microsoft and other partners. The interface between the Ameranth communications modules and Food.com ordering software will be jointly developed. Each side will fund its appropriate portion of the interface and testing. Amoranth will also seek to establish links with its frequent customer partners and customers to offer links to the Food.com site and thus accelerate the acquisition of new customers/partners for Food.com. Food.com will pay a nominal/reasonable payment for Ameranth providing these new customers to Food.com. In parallel, Food.com will establish the Ameranth reservations/wait-listing software as its standard for those functions, offer it to appropriate customers and the two companies will work to establish a scamless interface. Generally, the partner that has the relationship with the end customer will take the lead on a particular opportunity, however the team will work closely together and incorporate the Ameranth software modules into the Food.com web-site/GUI and leverage from that existing standard as much as possible. License fees and/or revenues will be shared based on the appropriate value of each side on the particular opportunity and both companies will be Sexible and reasonable in costing to rapidly schieve major market penetrations. Both companies will make it a priority to achieve these interfaces quickly and will cooperate in selected beta-sites for the fall of 1999. Food.com will provide Ameranth reasonable assistance in gaining support from the venture capital community in the next round of financing. The companies will share leads where appropriate, leverage marketing costs and show attendance wherever possible and work toward an overall goal of greatly enhancing the values of the respective companies through this allience.

TERM: The period of this agreement will be for two years from June 17, 1999. The agreement may be terminated by either party with six months notice, however the other side must be given thirty days to correct any issue and termination should be considered an extreme event in response to a major breach or unreasonable position from the other side.

DELIVERY/PAYMENT TERMS: These will be industry standard and established in individual purchase orders or financial agreements.

DISPUTES: Disputes, if any, will be resolved at the appropriate level if pussible and brought to the President's attention for their resolution when not resolved at a lower level.

CHANGES: Changes will be made when required subject to mutual agreement

GOVERNING LAW: The laws of the State of California will be in force.

FOR AMERANTH

THILL .

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FOR FOOD.COM

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FOR IMMEDIATE RELEASE

Contact: Kathie Sanders 703-281-4995

AMERANTH TECHNOLOGY SYSTEMS™ and SYMBOL TECHNOLOGIES® ANNOUNCE 21st CENTURY HOTEL™

Hand-Held Computer and Wireless LAN Technology Allow Enterprise-wide Wireless Automation

ATLANTA, June 22, 1999–Ameranth Technology Systems, Inc., a leading provider of Wireless Systems Solutions[™] to the hospitality industry, and Symbol Technologies, Inc., (NYSE: SBL) a world leader in wireless mobile computing, today announced the 21st Century Hotel[™] at this year's Hotel Industries Technology Exposition & Conference (HITEC).

The 21st Century Hotel is a fully integrated system that provides a long-awaited hospitality industry solution for traditional hotel applications. The centerpiece of the 21st Century Hotel system is Ameranth's UltraPadTM 2700, a handheld computer that integrates Symbol Technologies Spectrum24[®] wireless local area network and the Microsoft Windows[®] CE operating system.

The combination of the three technologies offers unprecedented benefits to hotel operators and the guests they serve. For the first time, there is a single handheld computer and a single wireless systems solution that is ideal for all hotel applications: check-in; payment processing (credit card, debit card, smart card); valet parking; VIP and frequency program management; housekeeping management; mini-bar, fixed asset, and expendables inventory; management interface; remote order entry, including pool-side, court-side, and the eighteenth hole; personnel management; facilities maintenance and management; Ameranth's 21st Century RestaurantTM applications, including order entry, inventory control, process control, wait-list management and table management; event, meeting, and conference management and control; golf course checkin, management, and control; short- and long-range communications, and more. And with the 21st Century Hotel system's advanced systems integration, the UltraPad 2700 will work seamlessly with legacy and current applications so there is no need to change primary vendors.

-more-

The Ameranth handheld computer communicates to Ameranth's middleware and then with other hotel computers and devices by way of Symbol's Spectrum24 wireless local area network. Symbol's wireless local area network is based on industry standards and is the technology of choice at more than 40,000 customer locations in a number of global markets.

Other key partners in the 21st Century Hotel system include JTECH, the world leader in onpremise paging, for paging systems; Comtec Information Systems, Inc., a world leader in mobile printing, for portable printers; The Customer Connection, a leader in frequency programs, for frequency and VIP programs; and leading hospitality systems providers, led by the charter hospitality systems partner, Hospitality Solutions International (HSI), a leading systems provider for both restaurants and hotels. Food.com "The Internet's Largest Takeout and Delivery Service and Future Food Portal" will be the standard on-line food ordering system for the 21st Century Hotel system as well as for the previously announced 21st Century Restaurant system, and Ameranth's reservations/waitlisting software will be incorporated into the Food.com solution. Additional partners will be announced.

Spectrum24, Symbol's open-architecture wireless network, provides high-performance data and voice-over-IP communications with excellent immunity to interference. Its frequency hopping technology ensures robust and reliable data throughput. Spectrum24 also features selectable power management for application optimization, as well as encryption capabilities to ensure data security. Spectrum24 is designed to support the IEEE 802.11 wireless LAN standard. Operating in the 2.4GHz band using spread-spectrum modulation, Spectrum24 allows fast, seamless roaming with load balancing among cells. Its capacity and range are expandable through the use of multiple access points.

Microsoft Windows CE offers exceptional capabilities with seamless integration with the databases of information already in place throughout the hospitality industry.

"Our mission is to work with Symbol and Microsoft to provide world-wide-standard wireless systems solutions," said Keith McNally, CEO of Ameranth. "Ameranth's integration of Symbol's unparalleled technological advancements and the Microsoft Windows CE platform with the other capabilities of our partners will allow customers to deploy fully integrated software and hardware solutions that will provide optimal service, efficiency, and profitability for years to come."

In addition to appearing with Symbol Technologies at booth 1353 at HITEC in Atlanta, June 22-24, Ameranth will showcase its new products at the Western Foodservice & Hospitality Expo, August 21-23, in Los Angeles; MUFSO, September 12-15, in Dallas; The World Gaming Congress & Expo September 14-16, in Las Vegas; FS/TEC'99, November1-3, in Dallas; and the International Hotel/Motel & Restaurant Show, in New York, November 6-9.

Ameranth Technology Systems, Inc. was founded in 1996 primarily to provide wireless computing solutions to the hospitality, gaming, military defense, and law-enforcement industries and markets. Ameranth's products include handheld computers, scanners, access points, printers, and related software.

Symbol Technologies Inc., is a global leader in mobile data management systems and services with innovative customer solutions based on wireless local-area networking for voice and data, application-specific mobile computing, and bar-code data capture. Symbol's wireless LAN solutions are installed at more than 40,000 customer locations, and more than 7 million Symbol scanners and application-specific scanner-integrated mobile computer systems are in use worldwide. Symbol and its global network of business partners provide solutions for retailing, transportation and distribution logistics, parcel and postal delivery, healthcare, education, manufacturing, and other industries.

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For additional information you may e-mail Kathie Sanders at <u>ksanders@ameranth.com</u>

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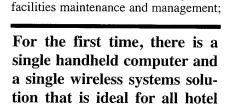
AMERANTH 1 (888) AMERANTH www.ameranth.com Century Restaurant" мекантн 21st Семфити functionality Includes 21st Hotel VIP and frequency programs, credit card processing, PMS, POS, Corporate, and other systems Back Office Station Database management Ameranth middle-ware Monitor/Printer options Applications software VIP and frequency program updates Microsoft Spectrum24° Access Point Symbol • Golf, event, show, and facility Real Time Web Access NetVision reservations and waitlisting Process Control Corporate data exchange Groundskeeping Housekeeping Online food ordering Maintenance Wireless Systems Integration Security Communications PadLink" Management applications Manager Reports Alerts Spectrum24® Access Point MERANTH Communications AmPrint"2100 Remote Order Entry • Employee Manager • Poolside, courtside, ninth Mobile Guest and eighteenth holes Remote wireless input of name, license Encoding Printer Auto-request car during check-out plate, VIP or frequency program card, parking ticket number, etc. Cost automatically added to bill • Restaurant (check-out) Remote Check-in/ Valet Parking Remote payment • Access to internet and E-mail Remote registration/check-in UltraPad" Meeting/Event • Maintain rosters, agendas, Check-out Conference/ Clubhouse Curbside Instant access to event In-route Airport • Order/modify orders Meeting Room Conference/ and schedules information Inventory Control Expendables Fixed assets Mini-Bar

21st Century Hotel

AMERANTH 21st Century Hotel

The 21st Century Hotel™ is a fully integrated system that provides a long-awaited hospitality industry solution for traditional hotel applications. The centerpiece of the 21st Century Hotel system is Ameranth's UltraPad™ 2700, a handheld computer that integrates Symbol Technologies® Spectrum24 wireless local-area network and the Microsoft Windows® CE operating system.

The combination of the three technologies offers unprecedented benefits to hotel operators and the guests they serve. For the first time, there is a single handheld computer and a single wireless systems solution that is ideal for all hotel applications: remote check-in; payment processing (credit card, debit card, smart card); valet parking; VIP and frequency program management; housekeeping management; mini-bar, fixed asset, and UltraPad 2700 expendables inventory; management interface; remote order entry,



applications

including pool-side, court-side, and the

eighteenth hole; personnel management;

event, meeting, and conference management and control; golf-course check-in, management, and control; short- and long-range communications, Ameranth's 21st Century Restaurant¹¹⁵; and more.

And with the 21st Century Hotel system's other advanced systems integration, the UltraPad spen 2700 will work seamlessly with legacy and current applications so that there is no need to change primary vendors. Ameranth handheld computers communicate to Ameranth's middle-ware, residing on the Command Center PC Server, and then with other hotel computers and applications by way of Symbol's Spectrum24 wireless local area network, which is based on industry standards and is the technology of choice at more than 40,000 customer locations in a number of global markets.



Because Spectrum24 is an open-architecture wireless network that provides high-performance data and voice-over-IP communications with excellent immunity to interference, Spectrum24 is the perfect network to provide total voice and data communications coverage throughout the enterprise.

Remote Check-in/Check-out

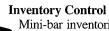
Hotel guests can now be checked in and checked out anywhere on or off the facility. Using short-range communications, Ameranth's UltraPad 2700, and the portable encoding key printer, guests can be checked in or out curbside, in the lobby, at the clubhouse, at the conference registration desk or anywhere else in the facility. Using long-range communications, they can be checked in at the airport, or in transit from the air-

port to the hotel. And with the 21st Century Hotel's advanced systems integration, guests can even check out of the hotel in the restaurant when they pay for breakfast, or as they finish breakfast on the concierge level, before rushing out on the last morning of their stay.

management applications that extend from the guest's room via interactive television or telephone to the Command Center PC Server all the way to the handheld computer in the restaurant hostess' hand. Moreover, the 21st Century Restaurant can take inventory, catering, personnel, management, and other applications out of the back office and place them where the work is being done.

Event, Conference, and Meeting Management and Control

Registration for events, conferences, and meetings can now be handled remotely with ease. Information on attendees, schedules, events, and hotel services is always available and can be updated remotely. Communications with employees are always maintained.



Mini-bar inventories, linen inventories, furniture inventories—as the inventory is being done, it is transmitted seamlessly to the controlling application.

Management reports and alerts are available immediately.

Communications with employees are always maintained.



VIP and Frequency Programs

During check-in, the UltraPad 2700 card reader can read VIP and Frequency Program magstripe cards and interface directly with VIP and frequency applications.

Remote Ordering

With the UltraPad 2700 handheld and Ameranth's AmPrint™ 2100 one-pound portable printer, waiters, waitresses, and other skilled customer service personnel can spend more time with the customer because fewer trips are required and because less qualified personnel can run food and beverages out to the waiters' and waitresses' satellited areas.

21st Century Restaurant

In addition to providing wireless, remote ordering, the 21st Century Restaurant applications available in the 21st Century Hotel, provide table, wait-list, and reservation

Process Control

The progress of housekeeping, groundskeeping, security inspections, maintenance, and more can be immediately entered. Management reports and alerts are available immediately. Communications with employees are always maintained.

Management Interface

Management can access and use hotel applications from anywhere in the facility. Management alerts and reports are available immediately. Communications are always maintained.

Mobile Communications

Guests, management, and employees can all communicate on the same wireless LAN, using NetVision phone, UltraPads, and PCs via voice or data.



AMERANTH TECHNOLOGY SYSTEMS, INC. 12230 El Camino Real, Suite 330 San Diego, California 92130-2090 1 (888) AMERANTH www.ameranth.com



Ameranth Debuts Handheld, Partnerships at NRA

CHICAGO—Ameranth Technology Systems (Rancho Santa Fe, CA) celebrated five partnerships and the launch of its Windows CE-based 21st Century Restaurant System at the 80th annual National Restaurant Association Show.

The Ameranth and Symbol Technologies (Holtsville, NY) strategic alliance has produced a wireless computing solution that marries the UltraPad 2700 Windows CE handheld with the Spectrum24 2.4 GHz data and voice communications system. Operators may process orders and payments, take inventory counts and manage guest-seating arrangements with the portable, handheld solution.

Comtec Information Systems (Warwick, RI) is on-board to produce a portable, POS receipt printer. Other partners with Ameranth include Hospitality Solutions International (HSI. Boca Raton, FL), IBM (Raleigh, NC), JTech Communications (Boca Raton, FL) and The Customer Connection (Escondido, CA).

An Ameranth-hosted cocktail party held at the Ritz Carlton Hotel culminated the most audible "buzz" heard on the show floor at McCormick Place.

Ameranth Technology Systems, infoNOW #200

Krystal-Lighthouse Union has Radiant Beaming

Atlanta—Quick service hamburger chain. The Krystal Company (Chattanooga. TN). will roll out the Lighthouse Site & Headquarters Management Solution from Radiant Hospitality Systems. The front- and back-of-the-house platform will be installed in about 350 sites company-wide. The Windows NT-based solution "puts information into the hands of store managers, providing them with powerful tools to make decisions that positively impact the business." said David Bibb, director of information systems for Krystal.

Radiant also landed similar installations at 470 owned and domestic-franchised locations of Ruby Tuesday's (Mobile, AL), the casual dining chain that includes three concepts: Ruby Tuesday's, American Café and Tia's Tex-Mex.

Radiant Hospitality Systems, infoNOW # 201

Foodservice ERP Deals for Lawson

Minneapolis—Lawson Software has added three restaurant chains to its growing list of foodservice operators that have purchased Lawson INSIGHT II, the company's ERP solution. Einstein/Noah Bagel (Golden, CO), a 536-unit chain, has purchased the financials, procurement and human resources process suites, as well as Lawson's Performance Indicator and Web Self-Service modules. Harrigan's Restaurants operator Pinnacle Restaurant Group (Irving, TX) will use INSIGHT II Financials through an implementation team that includes Stonebridge Technologies (Dallas) and Ernst & Young (New York).

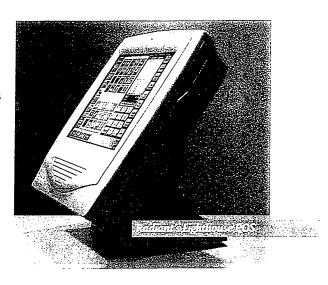
Seattle Crab and Skipper's Seafood in Chowder franchisor Skipper's Inc. (Bellevue, WA) purchased INSIGHT Human Resources and Financials suites to process payroll and accounting on the operator's IBM AS/400 midrange system.

Lawson Software, infoNOW #202

Progressive Adds Distribution Trio

Charlotte, NC—Progressive Software has expanded its presence in the indirect reseller channel with the addition of three distributors for its foodservice technology solutions. Applied Technology Ventures (ATV, Cleveland and Irvine. CA) has 18 years of foodservice integration experience. ATV is providing store training services and installation for Progressive's IRIS POS/Back Office and Smart 2 for Windows NT solution at Krispy Kreme Doughnut Corporation. Century Data Systems (Raleigh, NC) will target mid- and large-sized franchisees from its nine east coast offices. Retail Data Systems (Omaha, NE) has been tabbed to represent Progresive in the small chain and franchisee market, through its 22 nationwide locations.

Progressive Software, infoNOW #203



OBUCATIONS

July 7-20, 1999 • HB • 13

SOZUME XDOTONIUME

HOTEL BUSINESS

New Wireless Restaurant Technology Now Hitting Streets

RANCHO SANTA FE, CA-Ameranth Technology Systems and Symbol Technologies have ucts uses the 2.4Ghz frequency Ameranth's new line of prodtive, lightweight, ergonomic, multi-functional Microsoft Windows CE wireless handheld a new line of 21st Century band and provides cost-effec-Restaurant wireless products. computing solution.

lightweight, handheld, pen and/or touch screen, Microsoft Windows CE computer that will work for many hospitality applications such as order taking, payment processing, inventory control and table and wait-list management.

VGA screen, optional integrated laser scanner, 4MB-16MB It is palm-sized and has a 1/4

serial HotSynch support, IrDA Port, long-life battery, printer support, adjustable backlight, and color screen option in a 12-ounce package that can Symbol, Spectrum24 2.4Ghz spread spectrum radio and temperatures down to -20C.It also comes with an integrated withstand a four-foot drop and optional laser scanner.

ping, wireless local area network (LAN), which provides Ameranth's UltraPad 2700 is a | RAM, 8MB-16MB Flash RAM, | Symbol's Spectrum24 radio system is a frequency hopa solution for total restaurant automation.

over the same wireless LAN. 🦚 The system offers robust, secure, data and voice communications, communicates at 24 Mbps and handles data and real-time voice simultaneously



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FOOD.COM AND AMERANTH TECHNOLOGY ANNOUNCE PARTNERSHIP TO DEVELOP LINK FROM FOOD.COM SITE WITH AMERANTH'S 21ST CENTURY RESTAURANT SYSTEM

Partnership Expected to Extend Transmission of Internet Takeout and Delivery Orders to Restaurant Kitchens and to Point of Sale Systems; Online Reservations and Wait-Listing Also Planned

SAN FRANCISCO AND SAN DIEGO, CA - July 15, 1999 - Food.com, the Internet's premiere online takeout and delivery service, and Ameranth Technology Systems, Inc., a leading provider of wireless systems solutions to the hospitality industry, today announced a partnership that company officials expect will extend the transmission of takeout and delivery orders placed online at www.food.com directly to restaurant kitchens and point of sale systems, thereby speeding transactions, reducing handling, and improving accuracy. Company officials also announced that the partnership will enable users to check wait times for restaurants, to place themselves on wait-lists before leaving for restaurants, and to make reservations online. Ameranth will also work closely with its strategic partners, such as Symbol Technologies, to enable the Food.com site to receive orders wirelessly from the emerging generation of wirelessly enabled smart devices.

"Our partnership with Ameranth fits perfectly into our plans for the delivery of online orders from a consumer's keyboard to a restaurant's kitchen," said Food.com's Chairman and CEO, Rich Frank. "Ameranth's technology will help us to increase both the speed and the efficiency in transmitting orders to our partner restaurants, and will significantly decrease our margin of error. The same capabilities that will allow for these improvements in online ordering will also enable users to make reservations, check wait times, and place themselves on wait-lists so that they don't have to spend endless hours waiting to get seated when they decide to dine out."

(more)

Ameranth introduced its 21st Century Restaurant (system in conjunction with Symbol Technologies, the world leader in mobile computing, at the National Restaurant Association tradeshow in Chicago on May 22, 1999. The 21st Century Restaurant system is a fully integrated hardware, software, mobile, and wireless architecture that provides the long-awaited hospitality industry standard for wireless automation and integration. The entire system employs the Microsoft (family of software products and Symbol Technologies Spectrum24 (wireless networks. The centerpiece of the 21st Century Restaurant system is Ameranth's UltraPad (2700, a 3/4 pound, wireless, handheld computer using Microsoft Windows CE, which provides state-of-the-art capabilities for wireless POS, table management, wait-list management, reservations, frequent dining, Web-based links, management interface, and communications.

"We believe that our partnership with Food.com will provide restaurateurs and their clientele with the most convenient, most efficient solution possible," said Keith McNally, President and CEO of Ameranth. "Orders placed at www.food.com will find their way directly into the kitchen and into the point of sale system through our relationships with our POS partners - wait times, wait-lists, and reservations will be accessible online to customers, and will be available over the wireless LAN to hosts/hostesses whose handheld terminals will be updated as soon as customers make a reservation or place themselves on a wait-list."

About Ameranth Technology Systems

Ameranth founders and principals have extensive experience in developing, producing and deploying innovative and totally integrated wireless products, mobile computing and software systems. Based in the San Diego, CA area, Ameranth has established a wide range of key strategic alliances with industry leaders and best-of-breed product suppliers that enable Ameranth to provide breakthrough solutions that optimize efficiency, bust lines and eliminate waits in a wide variety of applications. Ameranth's most important alliances are with Symbol

Technologies(, a world leader in wireless, bar-code scanning and rugged terminals, and Microsoft who provides Windows CE and its comprehensive family of Windows(products around which Ameranth has built the backbone of its wireless system solutions.

About Food.com

Food.com was founded in December of 1996 and is the largest service of its kind offering home and business meals on the Internet. With over 12,000 restaurants on the service nationwide and over 550,000 members, Food.com is also the exclusive takeout and delivery partner of America Online. Food.com has been a leader in aggregating the highly fragmented restaurant industry in order to provide consumers with a one-stop shopping site on the web for food takeout and delivery ordering. Eventually, Food.com intends to expand its offerings to include restaurant reservations, restaurant reviews, sending meals as gifts, specialty food offerings, and news related to food and dining. Food.com can be found on the World Wide Web at www.food.com. Located in San Francisco, California, Food.com can also be contacted at (415) 981-5505.



FOR IMMEDIATE RELEASE

Contact: Kathie Sanders, (703) 281-4995

AMERANTH TECHNOLOGY SYSTEMS™ AND IBERTECH®, CREATORS OF ALOHA POS®, ANNOUNCE FORMATION OF A STRATEGIC ALLIANCE

SAN DIEGO, California, July 26, 1999—Ameranth Technology Systems, Inc., a leading provider of Wireless Systems SolutionsTM, announced today that an Agreement has been reached on the creation of a new Strategic Alliance with Ibertech, Inc., Bedford, Texas, creators of Aloha point-of-sale software. The Ameranth-Ibertech Alliance will leverage Ameranth's existing strategic alliance with Symbol Technologies that was announced on April 19, 1999 and will incorporate Ameranth's 21st Century RestaurantTM system into Aloha's offerings.

Under terms of the Ameranth-Ibertech Agreement, Ameranth and Ibertech will integrate Ameranth's 21st Century Restaurant solutions and products into Aloha's offerings, and Aloha will designate Ameranth's hardware as its "recommended" wireless products.

Ameranth's 21st Century Restaurant system is a fully integrated system that provides a long-awaited hospitality industry solution for traditional restaurant processes. The centerpiece of the 21st Century Restaurant system is Ameranth's UltraPad[™] 2700, a handheld computer that integrates Symbol's Spectrum24 wireless local area network and the Microsoft Windows CE operating system.

The combination of the three technologies offers unprecedented benefits to restaurateurs and their clientele. The 21st Century Restaurant System allows restaurant processes, including order taking, payment processing (credit card, debit card, smart card), inventory control, process control, waitlist management, table management, personnel management, management interface, valet parking, frequent-diner program interface, short- and long-range communications, and other applications, to be managed and controlled from Ameranth's hand-held computer, dramatically increasing productivity, reducing cost, and improving customer service.

-more-

The Ameranth handheld computer communicates to other restaurant computers and devices by the Symbol Spectrum24 wireless local area network. Symbol's wireless local area network is based on industry standards and is the technology of choice at more than 40,000 customer locations in a number of global markets.

"We are excited about the alliance with Aloha," said Keith McNally, CEO of Ameranth, "because Ibertech is a first-rate organization providing first-rate products. They have been looking for a handheld solution that offers functionality, reliability, and value that is consistent with their other offerings. We are pleased that they have found that solution in the 21st Century Restaurant system."

"All of us at Ibertech are pleased to enter into this alliance with Ameranth," said Manny Negreiro, president and CEO of Ibertech. "We are confident that this partnership will provide outstanding value to customers who seek the latest wireless technology in the new millennium. Ibertech believes that integrating Ameranth handheld computers into our solutions will bring even greater business opportunities for our customers."

Ameranth will showcase its new products at the Western Foodservice & Hospitality Expo in Los Angeles, August 21-23; the Multi-Unit Foodservice Operator Show (MUFSO) in Dallas, September 12-15; the World Gaming Congress & Expo in Las Vegas, September 14-15; the Foodservice Technology Show (FSTEC '99) in Dallas, November 1-3; and the International Hotel, Motel, and Restaurant Show in New York, November 6-9.

Ameranth Technology Systems, Inc., was founded in 1996 primarily to provide wireless portable computing solutions to the hospitality, gaming, defense, and law enforcement industries. Amaranth's products include handheld computers, scanners, access points, printers, and related software.

Founded in 1992, Ibertech is an innovative software company that provides a comprehensive suite of point-of-sale solutions to the foodservice and hospitality industries. Ibertech's world-renowned products allow customers to implement hospitality systems that precisely meet their needs and demands. Ibertech's family of software products includes Aloha TableService, Aloha QuickService, Aloha Back Office Solutions, Aloha Customer Management Solutions, and aloha enterprise.com. Aloha can be contacted at (800) 79-ALOHA, or visit www.alohapos.com.

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For additional information you may e-mail Kathie Sanders at ksanders@ameranth.com

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NATION'S RESTAURANT N

TECHNOLOGY

NEWS DIGESTS

Food.com betting on wireless system

AN FRANCISCO A new partnership involving Internet takeout and delivery service Food.com and wireless systems provider Ameranth Technology Systems Inc., is expected to extend the transmission of takeout and delivery orders placed on-line directly to restaurant kitchens and point-of-sale systems, officials for both inns said.

Such a direct-transmission system should beed up transactions, reduce handling and improve order accuracy, the new partners reported. What's more, they said, the alliance, could enable users to check wait times for spe-... company representatives attending a confercific restaurants, place themselves on the wait-__ence here indicated that they would accelerate list before leaving for restaurants and make eservations on line.

also would work with its strategic partner. Industry Council for Interactive Instruction. symbol Technologies to enable the Food com which was created in 1996 to heighten awareing generation of wirelessly enabled smart

Ameranth sells the 21st Century Restaurant system it developed in conjunction with Symbol Technologies.

The system uses Microsoft software, Symbol Technologies' Spectrum24 wireless networks and Ameranth's UltraPad 2700, a 12ounce, handheld computer running Microsoft Windows CE. 💢 👙 😩

Compaq teams with touch-screen maker

METHUEN, MASS. — MicroTouch Systems Inc., the world leader in computer touch-input technology, said giant Compaq Computer Corp. has selected MicroTouch Tek5 resistive touch screens for its first touch-enabled flat-panel monitors. In a separate announcement

Compag introduced the TFT5000, a 15-inch touch-screen monitor.

Puck, partners pick Elo TouchSystems

FREMONT, CALIF. — Resistive technology touchscreen maker Elo TouchSystems Inc. said its products are part of the Squirrel Systems Inc. restaurant-management package now being used by the multiunit Spago fine-dining restaurant group.

TBT to grow, boosters say

NEW ORLEANS — Leading retailer and service their use of technology-based training, event organizers said.

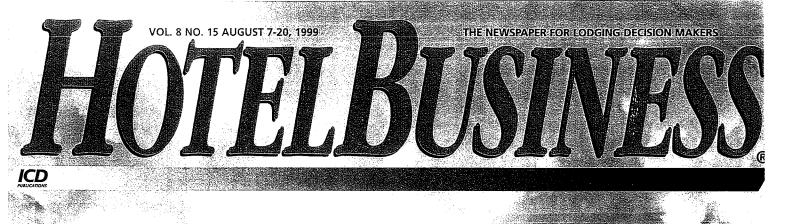
Sources at Ameranth said that company ... The conference was staged by the Retail ite to receive orders wirelessly from the emerg- these of both the successes and the best prac-ng generation of wirelessly enabled smart tices of Internet Web- and computer-based training.

ChefTec, Palm team for inventory chores

ATLANTA — Culinary Software Services Inc. has introduced a new tool for managing physical inventory: the Palm III pocket-sized organizer preloaded with the inventory application specifically designed to work with ChefTec and Cheffec Plus.

The customized Palm III application lets users move about their operation, entering inventory counts, and then upload the physical counts into the ChefTec application running on a desktop PC.

The Palm III has a backlit display. Packages including ChefTec and the Palm III, start at \$1,295, Culinary Software Services sources said.



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HOTELBUSINESS

TECHNOLOGY TRENDS

TECH BYTES

ATLANTA— Here's just a sampling of some of the products introduced at this year's HITEC 99 conference:

AMERANTH TECHNOLOGIES and SYMBOL TECHNOLOGIES launched the 21st Century Hotel, a single, handheld computer and a single wireless systems solution that can be used for a number of applications at

hotels, including check-in, payment processing (credit card, debit card, smart card), valet parking; VIP and frequency program management; housekeeping management; mini-bar, fixed asset, and expendables inventory; management interface; remote order-entry, including poolside, courtside and the 18th hole; personnel management; facilities main-

tenance and management. It also handles Ameranth's existing 21st Century Restaurant applications.

Circle Reader Action No. 200

Rest Naw Products

New for Kids' Meals & Birthday Meals

SESTABLIA DE LA COMPANSIONE DE LA COMP



Tired of the same imported kids' meal toys? Try something new and exciting! Twelve-ounce Sippers can be sold empty—or fill them with your favorite beverage. They can be sold as a standalone drink or added to a kids' or birthday meal! Sippers are made in the U.S.A. with FDA-approved resins, available in a wide variety of characters and colors. Custom characters can be made to order.

For more information, contact Unique Container Corp. at (800) 796-9518 or (949) 646-3934, or visit www.uniquecontainer.com.

Y2K Containers!

Are your containers Y2K compliant? If not, it's time to put a little excitement into your drink sales! Don't be left out on one of the biggest promotions of the millennium!

For more information, contact Unique Container Corp. at (800) 796-9518 or (949) 646-3934, or visit www.uniquecontainer.com.

Food.com and Ameranth Technology Link Up

ood.com, the Internet's premiere online takeout and delivery service, and Ameranth Technology Systems, Inc., a leading provider of wireless systems solutions to the hospitality industry, announced a partnership to extend transmission of takeout and announced

delivery orders placed at www.food.com directly to restaurant kitchens and point-ofsale systems, thereby speeding transactions, reducing handling, and improving accuracy.

Ameranth, a leader in wireless technology, will also work closely with its strategic partners, Symbol Technologies and Food.com, to en-



AMERANTH Total Wireless Food Services

able the Food.com site to receive orders wirelessly from the emerging generation of wirelessly enabled smart devices.

Ameranth's 21st Century Restaurant™ system is a fully integrated, hardware, software, mobile, and wireless architecture wireless au-

tomation and integration. The entire system employs the Microsoft* family of software products and Symbol Technologies Spectrum24* wireless networks. The centerpiece of the 21st Century Restaurant System is Ameranth's UltraPad 2700, a ¾ pound,

wireless, handheld computer using Microsoft Windows CE, which provides stateof-the-art capabilities for wireless POS, table man-

agement, wait-list management, reservations, frequent dining, Web-based links, management interface, and communications.

Food.com (www.food.com) is the largest service of its kind offering home and business meals on the Internet, with more than twelve thousand restaurants on the service nationwide and more than half a million

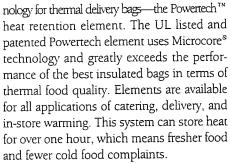
members.

For more information, e-mail Kathie Sanders

at ksanders@ameranth.com or call (703) 281-4995.

National Marketing's Powertech™

National Marketing, Inc., a longtime supplier of innovative products to the foodservice industry, has added to its line the newest tech-

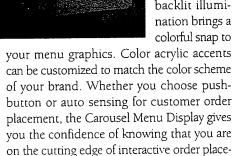


Call NMI at (800) 994-4664 or (734) 266-2222, e-mail nmisales@nminc.com, or visit our Web site at www.nminc.com.

Ordermatic's Carousel Menu Display

Ordermatic offers an interactive menu graphic display for high impact on the drive-in/drive-thru buying experience. Stainless-steel unit is designed for exterior use and long life. Dis-

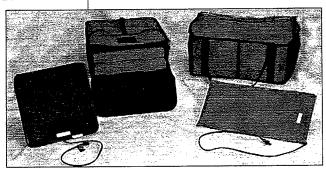
play interfaces with 3M, HME, and other communication systems. Its unique rotational nose highlights special menu offers, while superior backlit illumination brings a colorful snap to



For more information, contact Ordermatic at (800) 767-6733 or (405) 672-1487, e-mail sales@ordermatic.com, or visit www.ordermatic.com.



ment.



MICROSOFT HOSPITALITY

SOLUTIONS

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Case Study Supplement

Fall 1999

Microsoft[®]

Ameranth and 21st Century Restaurant

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By combining the power of Microsoft* Windows* CE software and Symbol Technologies Spectrum24* wireless devices in a hand-held computer that has the form factor, elegance, and durability that the foodservice industry needs, and by providing its 21st Century Restaurant system to the industry's solutions providers, Ameranth Technology Systems is changing the choreography of restaurant operations.

In the foodservice industry, information technology has always been like the "grandame" of the ball-someone with whom everyone has felt obliged to dance. Unfortunately, because the hardware platform has always been fixed terminals, the "grandame" hasn't been able to move too well, and her immobility has been central to how the foodservice industry has danced. The result has been that, for some applications, operators, customers, and employees have danced awkwardly around IT's fixed terminals; for other applications, such as inventory control, they have usually chosen not to dance with IT at all. With their introduction of the 21st Century Restaurant System, Ameranth Technology Systems is giving IT new legs-and forever changing the choreography of restaurant operations.

The 21st Century Restaurant System is a fully integrated system that provides a long-awaited hospitality industry mobile wireless solution for traditional restaurant processes. The centerpiece of the 21st Century Restaurant System is Ameranth's UltraPad™ 2700, a small, light, beautifully designed, hand-held computer that operates using the Microsoft Windows CE operating system and communicates by way of Symbol Technologies' Spectrum24® wireless technology. Small enough and light enough to be carried comfortably in the breast pocket of a suit or blazer, the UltraPad offers long battery life and is ruggedized to withstand the rigors of commercial use.

The combination of the UltraPad 2700, Spectrum24 wireless LAN technology, and Windows CE operating system in a hand-held with the form factor and elegance required for restaurant applications offers unprecedented benefits to restaurateurs and the clientele they serve. The 21st Century Restaurant System allows restaurant processes, including order taking, payment processing (credit card, debit card, smart card), inventory control, process control, waitlist management, table management, personnel management, management interface, valet parking, frequent-diner program interface, short- and long-range communications, and other applications, to be managed and controlled from Ameranth's handheld computer, so that customers, employees, and managers are no longer constrained by the need to work with fixed IT terminals.





But the advantages of mobile IT terminals cannot be realized unless there is software that will project legacy, current, and future IT capabilities into the wireless, Windows CE environment. Working with Microsoft, Ameranth has developed a family of modules that allow its POS, back end and other systems providers to provide a seamless and elegant wireless interface to their existing and future software installations. Developed using standard Microsoft Windows NT® Server, Windows 98/95, and Windows CE toolsets and application modules, Ameranth's interface modules preserve the significant investment in existing fixed-terminal systems by projecting the capabilities of those systems into the wireless Windows CE environment and by enabling systems providers to create hand-held user interfaces that have a look, feel, and functionality similar to that of the

host fixed-terminal system. The use of the Microsoft toolsets and application software, along with Ameranth's modular approach to using these tools, makes the introduction of wireless a smooth, painless, affordable transition.

Ameranth's hand-held computers communicate with Ameranth's communications-control module and other interface modules and then with other restaurant computers and devices by way of Symbol's Spectrum24 wireless local area network. Symbol's wireless local area network is based on industry standards and is the technology of choice at more than 40,000 customer locations in a number of global markets.

"Our mission is to work with Symbol and Microsoft to provide worldwide-standard wireless systems solutions," said Keith McNally, CEO of Ameranth. "Ameranth's integration of Symbol's unparalleled technological advancements and the Microsoft Windows CE platform with the other capabilities of our partners will allow customers to deploy fully integrated software and hardware solutions that will provide optimal service, efficiency, and profitability for years to come."

"With Symbol's proven expertise in mobile computing and wireless networks, Ameranth's vision and integration skills, and Microsoft's innovative family of software products and solutions, we share in their vision for the 21st Century Restaurant System," said Tony Barbagallo, group product manager, Productivity Appliances Division, Microsoft Corp.

"With its 21st Century Restaurant,
Ameranth is providing a system solution
that makes Symbol's wireless technology
more accessible to the foodservice
industry, so that restaurateurs can move
away from fixed terminals and gain the
benefits of wireless that other industries
have enjoyed," said John Harker, Director,
Hospitality and Gaming for Symbol
Technologies.

Let the dance begin.



FOR IMMEDIATE RELEASE

Contact: Kathie Sanders 703-281-4995

AMERANTH TECHNOLOGY SYSTEMS™ AND INFOGENESIS, CREATORS OF REVELATION, ANNOUNCE FORMATION OF A STRATEGIC ALLIANCE

LAS VEGAS, Nevada, September 15, 1999–Ameranth Technology Systems, Inc., a leading provider of Wireless Systems Solutions, announced today that an agreement has been reached on the creation of a new Strategic Alliance with InfoGenesis, Santa Barbara, California, creators of *Revelation* point-of-sale software. The Ameranth-InfoGenesis Alliance will leverage Ameranth's existing strategic alliance with Symbol Technologies that was announced on April 19, 1999 and will incorporate Ameranth's 21st Century Casino™ system into the InfoGenesis product line.

Under terms of the Ameranth-InfoGenesis Agreement, Ameranth and InfoGenesis will integrate Ameranth's 21st Century Casino solutions and products into the InfoGenesis product line, and InfoGenesis will designate Ameranth's hardware as its wireless products.

The 21st Century Casino is a fully integrated system that provides the long-awaited gaming industry standard for projecting casino applications into the mobile, wireless, handheld environment. The interface of the 21st Century Casino is Ameranth's UltraPadTM 2700, a small, light, beautifully designed, handheld computer that operates using Microsoft Windows[®] CE operating system and communicates using Symbol Technologies Spectrum24 wireless technology. The backbone of the 21st Century Casino is Spectrum24, which provides secure, reliable, casino-wide, voice and data connectivity to other casino management information and telecommunication systems.

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The combination of the UltraPad 2700, Spectrum24 wireless LAN technology, and Windows CE operating system in a handheld with the form factor and elegance required for casino applications, offers unprecedented benefits to casino operators and the clientele they serve. *For the first time, there is a single handheld computer and a single wireless systems solution that is ideal for all casino applications:* Ameranth's 21st Century Casino applications, including remote check-in; payment processing (credit card, debit card, smart card); valet parking; VIP and frequency program management; player tracking; Keno management; food and beverage; housekeeping management; mini-bar, fixed asset, and expendables inventory; management interface; remote order entry, including pool-side, casino floor; personnel management; facilities maintenance and management; Ameranth's 21st Century Restaurant applications, including order entry, inventory control, process control, waitlist management and table management; event, meeting, and conference management, and control; short- and long-range communications, and more. And with the 21st Century Casino's advanced systems integration, the UltraPad 2700 will work seamlessly with legacy and current-generation applications so that there is no need to change primary vendors.

The Ameranth handheld computer communicates to other casino computers and devices by the Symbol Spectrum24 wireless local area network. Symbol's wireless local area network is based on industry standards and is the technology of choice at more than 40,000 customer locations in a number of global markets.

"We are excited about the alliance with InfoGenesis," said Keith McNally, CEO of Ameranth, "because InfoGenesis is a world-class organization providing state-of-the-art products. They have been looking for a handheld solution that offers the functionality, reliability, and value consistent with their offerings, and we are pleased that they have found that solution in the 21st Century Casino system."

Ameranth will showcase its new products at the World Gaming Congress & Expo in Las Vegas, September 14-15; the Foodservice Technology Show (FSTEC '99) in Dallas, November 1-3; and the International Hotel, Motel, and Restaurant Show in New York, November 6-9.

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"Our mission is to work with Symbol and Microsoft to provide world-wide-standard wireless systems solutions," said Keith McNally, CEO of Ameranth. "Ameranth's integration of Symbol's unparalleled technological advancements and the Microsoft Windows CE platform with the other capabilities of our partners will allow customers to deploy fully integrated software and hardware solutions that will provide optimal service, efficiency, and profitability for years to come."

In addition to appearing at booth 4235 at The World Gaming Congress & Expo, September 14-16, in Las Vegas, Ameranth will also display its advanced products and solutions at FS/TEC'99 in Dallas, November1-3; and at the International Hotel/Motel & Restaurant Show, in New York, November 6-9.

Ameranth Technology Systems, Inc. was founded in 1996 primarily to provide wireless computing solutions to the hospitality, gaming, defense, and law enforcement industries and markets. Ameranth's products include hand-held computers, scanners, access points, printers, and related software.

Symbol Technologies Inc., is a global leader in mobile data management systems and services with innovative customer solutions based on wireless local-area networking for voice and data, application-specific mobile computing, and bar-code data capture. More than 7 million Symbol scanners and application-specific scanner-integrated mobile computer systems are in use worldwide. Symbol and its global network of business partners provide solutions for retailing, transportation and distribution logistics, parcel and postal delivery, healthcare, education, manufacturing, and other industries.

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For additional information you may e-mail Kathie Sanders at ksanders@ameranth.com

12230 El Camino Real, Suite 330 San Diego, CA 92130-2090 Tel: (888) AMERANTH Fax: (858) 794-8222 http://www.ameranth.com HYPERLINK mailto:info@ameranth.com



FOR IMMEDIATE RELEASE

Contact: Kathie Sanders 703-281-4995

AMERANTH TECHNOLOGY SYSTEMS™ ANNOUNCES 21ST CENTURY CASINO™

Hand-Held Computer and Wireless LAN Technology Allow Casino-wide Wireless Automation

LAS VEGAS, September 15, 1999 – Ameranth Technology Systems, Inc., a leading provider of Wireless Systems SolutionsTM to the hospitality industry, and Symbol Technologies, Inc., (NYSE: SBL) a world leader in wireless mobile computing, today announced the 21st Century CasinoTM at this year's World Gaming Congress and Exposition.

The 21st Century Casino is a fully integrated system that provides the long-awaited gaming industry standard for projecting casino applications into the mobile, wireless, handheld environment. The interface of the 21st Century Casino is Ameranth's UltraPad™ 2700, a small, light, beautifully designed, hand-held computer that operates using Microsoft® Windows® CE operating system and communicates using Symbol Technologies Spectrum24 wireless technology. The backbone of the 21st Century Casino is Spectrum24, which provides secure, reliable, casino-wide, voice and data connectivity to other casino management information and telecommunication systems.

The combination of the UltraPad 2700, Spectrum24 wireless LAN technology and Windows CE operating system in a handheld with the form factor and elegance required for casino applications offers unprecedented benefits to casino operators and the clientele they serve. For the first time, there is a single handheld computer and a single wireless systems solution that is ideal for all casino applications: valet parking; curbside check-in; payment processing (credit card, debit card, smart card); VIP and frequency program management; electronic comping, Keno management, table reservations and waitlisting; security, management, and maintenance interface; Ameranth's 21st Century HotelTM

-more-

applications, including housekeeping management, mini-bar, fixed asset, and expendables inventory; remote order entry, including pool-side, court-side, and the eighteenth hole; personnel management; facilities maintenance and management; Ameranth's 21st Century Restaurant™ applications, including order entry, inventory control, process control, waitlist management and table management; event, meeting, and conference management and control; golf course check-in, management, and control; short- and long-range communications, and more. And with the 21st Century Casino's advanced systems integration, the UltraPad 2700 will work seamlessly with legacy and current-generation applications so that there is no need to change primary vendors.

The UltraPad 2700 communicates to Ameranth's middleware and then with other casino systems by way of Symbol's Spectrum24 wireless local area network. Spectrum24, Symbol's open-architecture wireless network, provides high-performance data and voice-over-IP communications with excellent immunity to interference. Its frequency hopping technology ensures robust and reliable data throughput. Spectrum24 also features selectable power management for application optimization, as well as encryption capabilities to ensure data security. Spectrum24 is designed to support the IEEE 802.11 wireless LAN standard. Operating in the 2.4GHz band using spread-spectrum modulation, Spectrum24 allows fast, seamless roaming with load balancing among cells. Its capacity and range are expandable through the use of multiple access points. Symbol's wireless network technology is based on industry standards and is deployed at more than 40,000 customer locations worldwide.

The UltraPad uses Microsoft's Windows CE operating system. CE offers extraordinary versatility, exceptional capabilities, and seamless integration with systems already in place throughout the gaming industry. "Within the world of gaming, Windows CE is the winning hand."

Ameranth's charter 21st Century Casino partner is InfoGenesis. InfoGenesis is a leading point-of-sale systems provider to the gaming industry. InfoGenesis customers are located throughout the U.S., Europe, Latin America and Asia.

Other key partners in the 21st Century Casino include: Comtec Information Systems, Inc., a world leader in mobile printing, for portable printers and portable encoding key printers; and other leading systems integrators, including Hospitality Solutions International (HSI). Additional partners will be announced.

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Ameranth Technology Systems, Inc., was founded in 1996 primarily to provide wireless portable computing solutions to the hospitality, gaming, defense, and law enforcement industries. Amaranth's products include handheld computers, scanners, access points, printers, and related software.

Based in Santa Barbara, California, InfoGenesis is a leading developer and marketer of point-of-sale systems for the retail hospitality and food service industries. InfoGenesis customers are located throughout the U.S., Europe, Latin America, Asia, and Australia, and include Park Place Entertainment, Mandalay Resorts Group (Circus Circus Enterprises), House of Blues, Rio Suites Resort & Casino, House of Blues, Four Seasons, Six Flags Theme Parks, Warner Bros. Theme Parks, Starwood Hotels and Resorts Worldwide, and Royal Caribbean International. InfoGenesis can be reached via the internet at www.infogenesis.com

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Wireless Systems Integration

Remote Check-in,

Electronic Comping

- Check-out
 - In-route Airport

Seamless redemption Interface to player tracking systems

 Flexible comp configuration

- Curbside
 - Clubhouse
- Meeting/Event Conference/
- Restaurant (check-out)

- Remote registration/check-in

Maintain rosters, agendas,

and schedules

Meeting Room

Conference/

 Instant access to event Order/modify orders

information

Management, Security

Century Restaurant"

Includes 2Ist

functionality

Includes 21[™]

Century Hotel"

functionality

AMERANTH THE ZINT CONTURY CASING

- Alerts
- Reports
- Communications Applications

Information System Monitor/Printer options

Symbol



Microsoft

• VIP and frequency program updates

Corporate data exchange

Online food ordering

Real Time Web Access • Golf, event, show, and facility reservations and waitlisting

- Applications software
- Ameranth middle-ware Database management

VIP and frequency programs, credit card processing, PMS, POS, Corporate. ind other systems

Table Reservations & Waitlisting

- Provide accurate wait times
 - Maintain waitlists
- Automatically associate guest with open table

Management

MERANTH Access to internet and E-mail

VIP Management

- Player ID and status comfirmation
- Instant secure access to player account
 - Updates automatically

• Remote wireless input of name, license

Valet Parking

plate, VIP or frequency program card, parking ticket number, etc. Auto-request car during check-out

· Cost autômatically added to bill

Remote payment

Keno

Management

- Maximize runner efficiency
- Instant Keno tracking

Communications

Mobile





Encoding Printer

UltraPad"

Employee

 Manager Security

Guest





PadLink"







AMERANTH 21st Century. Casino

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m st}$ Century Casino is a fully integrated system that provides the long-awaited gaming-industry standard for projecting casino applications into the mobile, wireless, handheld environment. The interface of the 21st Century Casino is Ameranth's UltraPad™ 2700, a small, lightweight, beautifully designed, handheld computer that operates using Microsoft® Windows® CE operating system and communi-Symbol Technologies™ using Spectrum24® wireless technology. The backbone of the 21st Century Casino is Spectrum24, which provides secure, reliable, casino-wide, voice and data connectivity to other casino management information and telecommunication systems.

The combination of the UltraPad 2700, Spectrum24 wireless LAN technology and Windows CE operating system in a handheld computer with the form factor and elegance required for casino applications offers unprecedented benefits to casino operators and the clientele they serve. For

For the first time, there is a single handheld computer and a single wireless systems solution that is ideal for all casino applications...

the first time, there is a single handheld computer and a single wireless systems solution that is ideal for all casino applications: valet parking; curbside check-in; payment processing (credit card, debit card, smart card); VIP and frequency program management; electronic comping; Keno management; table reservations and waitlisting; security, management, and maintenance interface; Ameranth's 21st Century Hotel™ applications, including housekeeping management, mini-bar, fixed asset, and expendables inventory; remote order-entry, including pool side, court-side, and the eighteenth hole; personnel management; facilities maintenance and management; Ameranth's 21st Century Restaurant[™] applications, including order entry, inventory control, process control, wait-list management and table management; event, meeting, and conference management and control; golfcourse check-in, management, and control; shortand long-range communications, and more. And with the 21st Century Casino's advanced systems integration, the UltraPad 2700 will work seamlessly with legacy and current-generation applications, so there is no need to change primary vendors.

The UltraPad 2700 communicates to Ameranth's middle-ware and then with other casino systems by way



of Symbol's Spectrum24 wireless local-area network. Spectrum24, Symbol's open-architecture wireless network, provides high-performance data

and voice-over-IP communications with excellent immunity to interference. Its frequencyhopping technology ensures robust and reliable data throughput. Spectrum24 also features selectable power management for application optimization, as well as encryption capabilities to ensure data security. Spectrum24 is designed to support the IEEE 802.11



UltraPad™ 2700

wireless LAN standard. Operating in the 2.4GHz band using spread-spectrum modulation, Spectrum24 allows fast, seamless roaming with load balancing among cells. Its capacity and range are expandable through the use of multiple access points. Symbol's wireless network technology is based on industry standards and is deployed at more than 40,000 customer locations worldwide.

The UltraPad uses Microsoft's Windows CE operating system. CE offers extraordinary versatility, exceptional capabilities, and seamless integration with systems already in place throughout the gaming industry. "Within the world of gaming, Windows CE is the winning hand."

Valet Parking

When a guest arrives, valet parking swipes his or her VIP or frequency card or inputs guest information and parking voucher number. When guests are departing, guest relations, wait staff, bellman, valets, etc., can call guest cars forward.

Remote Check-in/Check-out

Hotel guests can now be checked in and checked out anywhere on or off the facility. Using short-range communications, Ameranth's UltraPad 2700, and portable encoding key printer, guests can be checked in or out curbside, in the lobby, at the conference registration y desk, or anywhere else in the facility. Using long-range communications, they can be checked in at the airport y way to the casino. And with the 21st

Century Casino's advanced systems integration, guests can even check out of the hotel in the restaurant when they pay for breakfast, or even from the casino, before leaving on the last morning of their stay.

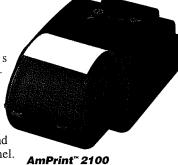
VIP and Frequency-Programs

VIP and frequency-program members no longer have to wait to be treated with special respect. The UltraPad 2700 card reader can read VIP and Frequency Program mag-stripe cards and interface directly with VIP and frequency applications within the casino player-tracking system. Player identification and status can be confirmed immediately. Account information is available instantly and is updated automati-

ly and is updated automatically.

Electronic Comping

Provides connectivity between VIP, Frequency, player-tracking system and floor personnel. Comps are pro-



vided to the guest and immediately entered into the MIS, making redemption and accounting seamless.

Keno Management

Runners stop running and handle more wagering. Keno wagers are entered into the system immediately and tracked automatically.

Table Reservations and Waitlisting

Guests are provided accurate wait times. Reservations and waitlist are tracked automatically. When a table opens, the system automatically pages the guest who should be seated. It can be tied to VIP, Frequency, and player-tracking systems.

Event, Conference, and Meeting Management and Control

Registration for events, conferences, and meetings can now be handled remotely with ease, and coordinators can carry the same application used for registration, planning, and control on the UltraPad, so all the information on attendees, schedules, events, and hotel services is always



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Contact: Kathie Sanders 703-281-4995

AMERANTH TECHNOLOGY SYSTEMS™ AWARDED INNOVATION OF THE YEAR AWARD AT EUROPEAN HOSPITALITY SOLUTIONS TECHNOLOGY AWARDS

Handheld Computer and Wireless Systems Solutions™ Win Prestigious Award

LONDON, October 4, 1999—Ameranth Technology Systems, Inc., a leading provider of Wireless Systems Solutions to the hospitality industry, was announced as the winner of the *Innovation of the Year* award at this year's Hospitality Solutions Technology Show. Accepting the award at the European hospitality industry awards gala, was Keith McNally, Chief Executive Officer of Ameranth, along with John Harker, Director, Hospitality and Gaming, of Ameranth-partner Symbol Technologies. The *Innovation of the Year* award was the highlight of Hospitality Solutions '99, which is the showcase for information technology for the European hospitality industry. The award recognizes the most innovative hospitality technology product launched during the preceding year.

Ameranth captured this honor with its UltraPadTM2700, a small, light, beautifully designed, handheld computer that operates using Microsoft®Windows® CE operating system and communicates using Symbol Technologies Spectrum24 wireless technology. The UltraPad is the interface of Ameranth's 21st Century RestaurantTM, 21st Century HotelTM, and 21st Century CasinoTM systems, each of which provide long awaited industry standards for projecting hospitality applications into the mobile, wireless, handheld environment. The combination of the UltraPad 2700 and Ameranth's advanced systems integration offer unprecedented benefits to hospitality operators and the clientele they serve. *For the first time, there is a single handheld computer and a single wireless systems solution that is ideal for all hospitality applications:* valet parking; curbside check-in; payment processing (credit card, debit card, smart card); VIP and frequency program management; security, management, and maintenance interface; housekeeping management; mini-bar, fixed asset, and expendables inventory; personnel management; facilities maintenance and management; order entry; process control; event, meeting, and conference management; golf course check-in, management, and control; short- and long-range communications, and more.

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Page 2- Ameranth/Innovation of the Year Award

Judges for the award commented, "The way that Ameranth has set out to service the individual needs of the consumer greatly impressed the judges. What Ameranth offers is a means of simplifying many routine tasks for hospitality consumers and users, and ultimately provide a superior guest service. With all these factors in mind, the judges agreed that the award for *Innovation of the Year* belongs to Ameranth."

Ameranth Technology Systems, Inc. was founded in 1996 primarily to provide wireless computing solutions to the hospitality, gaming, defense, and law enforcement industries and markets. Partnered with Microsoft, Ameranth has developed a family of software modules that will project legacy, current, and future generation IT capabilities into the wireless CE environment. Ameranth's products include handheld computers, scanners, access points, printers, and related software.

Ameranth will display its advanced products and solutions at HFTP Annual Convention and Tradeshow in San Antonio, October 21-23; FS/TEC'99 in Dallas, November 1-3; and at the International Hotel/Motel & Restaurant Show in New York, November 6-9.

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FOR GENERAL RELEASE:

October 7, 1999

FOOD TAAK

Food & Beverage Management Software
SYSTEM CONCEPTS, INC.
15900 N. 78th Street
Scottsdale, Arizona 85260
602-951-8011
Fax 602-951-2807

800-553-2438

SYSTEM CONCEPTS, INC. AND AMERANTH TECHNOLOGY SYSTEMS, INC. ANNOUNCE OFFICIAL PARTNERSHIP

Scottsdale, AZ—System Concepts, Inc. (SCI) and Ameranth Technology Systems, Inc. officially announced their professional alliance this week, after negotiating a long-term mutual business goal. The two companies have signed an agreement to exclusively promote each other's products in a combined effort to provide the foodservice, gaming, and hospitality industry with an integrated solution to pairing hardware and software.

SCI is the developer of FOOD-TRAK® Food and Beverage Management Software, the first and most widely used PC-based inventory management system for the foodservice and hospitality industry. Since 1980, SCI's unparalleled expertise has steadily permeated the foodservice market from fast food, grocery, and catering to hotels, clubs, fine dining, and the institutional market. FOOD-TRAK's modular design allows the system to be tailored to fit the needs of any operation, from a single restaurant to a complex multi-unit corporation. Additionally, the FOOD-TRAK Enterprise Information System provides multi-store operators with a powerful resource for consolidating multi-unit food and beverage inventory, sales, costs, and performance at the corporate level. FOOD-TRAK systems provide the most current computing technologies, such as internet-enabled features and an open architecture, giving users the option of designing their own reports with standard SQL queries or off-the-shelf report writers.

Ameranth Technology Systems, Inc., which was founded in 1996, provides wireless computing solutions such as handheld computers, scanners, access points, printers, and related communications and applications software. Ameranth's 21st Century SystemsTM line of products supplies restaurants, hotels, and casinos with industry-standard tools that work in concert with legacy and current-generation systems, so their clients have no need to change primary vendors.

"We are very excited about the alliance with Systems Concepts, Inc.," says Keith McNally, CEO of Ameranth Technology Systems. "Systems Concepts, Inc. is the world leader in food and beverage management software. They are an ideal partner for Ameranth because together we are able to provide restaurateurs with the very best of breed computer technology for all of their business needs."

The best of breed solution, referred to by McNally, is one the key philosophies advocated by both Ameranth and SCI. In this environment, users select the individual components of their business systems from highly specialized providers, who've agreed to work under a unified policy regarding their integrated products. To promote this concept, SCI and Ameranth now offer the industry's most comprehensive software system teamed with the industry's most advanced hardware, and not as totally separate entities. Their alliance focuses on the benefits of combining components in order to achieve the optimum product for the end-user.

Bill Schwartz, President of SCI, says of the partnership, "We see the alliance between SCI and Ameranth as a true best of breed relationship. The FOOD-TRAK System has been used in conjunction with hand-held scanners for many years, but the Ameranth alliance results in a standardized hardware and software platform from which numerous applications can be run. The integration of the FOOD-TRAK System with many of Ameranth's POS and other application partners further enhances the value of this solution for the client."

Using SCI/Ameranth hand-held devices, larger multi-property and multi-profit center users will be able to perform mobile receiving, purchase order, transfer/requisition, and shopping list functions, in addition to inventory scanning features, all without having to duplicate the data entry tasks at a computer workstation. The portability of these products offers never before seen possibilities for on-site control of key inventory and sales locations within expansive, multi-profit center environments.

The newly formed partnership between these companies serves as a milestone for the way current hardware and software technologies can and should be provided to the foodservice and hospitality industries. And, the close relationship between the development staffs of both companies insures a steady stream of innovations and capabilities for years to come.

For more information contact Mary Ritter from System Concepts, Inc. at (480) 951-8011 or Kathie Sanders from Ameranth Technology Systems, Inc. at (703) 242-0137.



News Release November 1, 1999

FOR IMMEDIATE RELEASE

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SQUiRREL & Ameranth Technology Systems Announce Strategic Partnership

SQUIRREL® Companies Inc., a subsidiary of Eltrax Systems, Inc. (NASDAQ: ELTX), announced today a new Strategic Partnership with Ameranth Technology Systems™. Ameranth Technology Systems is a leading provider of Wireless Systems Solutions™ based in San Diego, California.

Under the terms of the SQUiRREL/Ameranth Alliance Agreement, SQUIRREL and Ameranth will integrate Ameranth's 21st Century Restaurant Solutions with SQUIRREL for Microsoft® Windows NT®. SQUIRREL will designate Ameranth's hardware as its "recommended" wireless products. The centerpiece of the 21st Century Restaurant system is Ameranth's UltraPad™ 2700, a handheld computer that integrates Symbol's Spectrum24 wireless local–area network and the Microsoft Windows CE operating system.

The combination of the three technologies offers unprecedented benefits to restaurateurs and their clientele. The 21st Century Restaurant System allows restaurant processes, including order taking, payment processing (credit card, debit card, smart card), inventory control, process control, wait-list management, table management, personnel management, management interface, valet parking, frequent-diner program interface, short- and long-range communications, and other applications, to be managed and controlled from Ameranth's handheld computer. This will dramatically increase productivity, reducing cost, and improving customer service.

The Ameranth handheld computer communicates to restaurant computers and devices by the Symbol Spectrum24 wireless local area network. Symbol's wireless local area network is based on industry standards and is the technology of choice at more than 40,000 customer locations in a number of global markets.

"Ameranth is extremely pleased to be partnering with Squirrel Systems. They are a great company. Our wireless products coupled with Squirrel POS Solutions will uniquely meet the considerable market demand for 21st Century Restaurant ™ products well into the new millennium." said Keith McNally, Ameranth Technology Systems, Inc., CEO & President.

"SQUIRREL is delighted to bring robust, industry standard mobile hand-held solutions to our restaurant and hotel customers who have selected the SQUIRREL for Windows NT solution," said



David Atkinson, Vice President, Sales & Marketing for SQUIRREL. "Ameranth and Symbol are clearly the leading hand-held solution for the hospitality industry."

Ameranth Technology Systems, Inc., was founded in 1996 primarily to provide wireless portable computing solutions to the hospitality, gaming, defense, and law enforcement industries. Amaranth's products include handheld computers, scanners, access points, printers, and related software.

Founded in 1984, SQUIRREL revolutionized the restaurant industry with the first touchscreen restaurant management system. SQUIRREL's newest offering, SQUIRREL for Windows NT was a recent winner of the Microsoft Retail Application Developer Award. SQUIRREL Companies Inc. is a wholly owned subsidiary of Eltrax Systems, Inc. Eltrax provides Internet and network–based applications and services to enterprises worldwide. Eltrax is a global leader in the design, development and management of technology solutions used to improve the quality and availability of business–critical information and data. The company is headquartered in Atlanta with offices, distributors and agents worldwide. The Company's shares are traded on the NASDAQ SmallCap market under the symbol ELTX.

For more information, contact Linda Gillis at 604.412.3300 or visit the web site at www.squirrelsystems.com.

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Continental Franchise Review* anchise Review*

The News and Information Source for Franchising

www.franchisetimes.com

November/December 1999

In an effort to make you, our readers, more techno-savvy, we present a new addition to our magazine the Technology section. Industry experts are unanimous in their opinion that research and development are imperative for progress. On this page we will present cutting edge technology, sure to benefit companies that embrace it. Every attempt is made to write the story in English, not "technoese."

New technology automates traditional processes

ago. (He could have

called in, too.) His

name was entered

into the waiting list

and he will be

seated soon after he

arrives. The restau-

rant manager knows

McNally, a busy

By Manali Shah

he scene: It's a Friday evening and you are in the mood to unwind and have a little fun. You head to your favorite watering hole, TGI Friday's. You won't be alone, however. People will be crowding the bar and idly standing in every available corner, awaiting their turn to be seated. The hostess will smile a warm welcome and guesstimate that your wait for a table will be 60 minutes, while handing you a pager that will activate when your name is called. Her grease pencil puts you on page four of her clipboard.

Unwind, eh?

The Solution: Enter Ameranth Technology Systems. Here's how Keith McNally, CEO, approaches your situation. McNally logged onto ameranth.com, reached TGI Friday's in-house reservation system and reserved his table 55 minutes



Keith McNally, Ameranth Technology Systems

executive, will want that corner table near the window. It will be ready when he is. And even as he is being seated,

the server will fetch his favorite glass of wine. The server returns, carrying the

UltraPad 2700. She punches buttons to enter his order which is instantly relayed to the kitchen. She saves at least three minutes, since she doesn't need to write the order on her notepad and then reenter it at the stationary POS system, where she would have to wait for two other servers ahead of her to finish.

After a satisfying meal, McNally pays the server at his table. She simply swipes his credit card on her UltraPad. The transaction is complete in 10 seconds. The time saved is seven minutes ordinarily. Today being Friday, it would have taken longer for the server to return with the credit card printout. She can serve a meal and take an order in between

After McNally leaves, the busboy clears the table and documents the completed task on his PadLink, which costs a couple hundred dollars extra. The UltraPad in the hostess' hand is automatically updated, and finds the longestwaiting customer matching that criteria. Lucky you. beeper suddenly stirs. Weary, you are seated at the table McNally vacated—a full 65 minutes after you arrived.

That scenario compares the traditional way restaurants operate today and how things can dramatically improve for restaurant and customer alike with the installation of Ameranth's 21st Century Restaurant System, a fully integrated wireless system consisting of the UltraPad, handheld printer, Spectrum Access Point, PadLink and IBM server.

The technology

The UltraPad, a lightweight handheld device, is the key to the system. It is completely wireless and holds the memory for up to, get this, a million customers. All one needs to do is swipe a card or enter a phone number. Ameranth's regional database gives the restaurant manager access to key customer data, including table and dining preferences and anniversary dates.

The UltraPad works seamlessly with Legacy and current applications so there is no need to change primary vendors. Ameranth's handheld computers communicate to Ameranth's communication and integration software through Symbol Technologies' Spectrum 24 wireless local area network. Spectrum 24 is a 2.4 gigahertz spread spectrum, frequency hopping wireless local area network that links Ameranth's handheld devices with the POS, inventory, back-office and other applications.

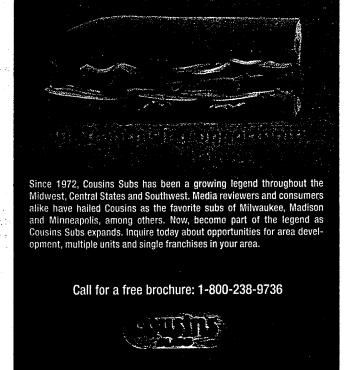
The UltraLink operates on Microsoft's Windows CE system, just like your PC at home works on Microsoft's Windows 95 operating system. If an operating system is standardized, it is very easy for software vendors to write the software for the system. Similar to its restaurant

system, Ameranth has systems for hotels and casinos, as well. The company is working on setting up Web sites that will allow restaurant customers to put their

name on restaurant waiting lists and hotel guests to check into a hotel as soon as they land at the airport.

The cost for the package varies substantially based on size of the restaurant. A large casual dining restaurant with 60 tables using the complete system would need to spend \$30,000. "Since the system is very reliable, it will last for three years or 1,000 operating days. Cost per day is \$30. If the restaurant turns one more table and the average tab per person is \$15 for a four-person table, the cost savings realized are \$60," he explained.

McNally added that the efficiency of his system can cut down by two the restaurant's need for employees. "The bottom line is that it dramatically improves efficiency," he said. In a time when labor is hard to find, that feature of the system is a big plus.



TECH

Golden Corral signs with Cyntergy

GAITHERSBURG, Md.-Cyntergy has announced that it signed a three-year contract with Golden Corral Corporation to provide technical help desk services for more than 290 corporate and franchise locations in the United States. Golden Corral Corporation (Golden Corral) is a Raleigh N.C.-based chain of family style restaurants. Cyntergy provides technology

services to the foodservice and other industries including implementation and training, computer-based training, technical help desk, software documentation and project management.

Cyntergy will provide Level 1 and Level 2 operational support for Golden Corral's back office, labor scheduling and point-of-sale software. Cyntergy also will install a duplicate of each system being supported in its in-house lab.

www.cousinssubs.com

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Technology Wireless '21st Century Hotel' Introduced at IH/M&RS An exciting wireless system was introduced today at the IH/M&RS show by Ameranth Technology Systems, Symbol Technologies and Comtec Information Systems.

Saturday, November 06, 1999 Brendan Manley

NEW YORK - Hotel wiring nightmares and long lines at hotel front desks, f&b establishments and retail outlets may soon be a thing of the past, due to a promising new handheld wireless solution created through a joint venture between several leading industry systems vendors.

The multi-dimensional system, called the "21st Century Hotel", was introduced today at the IH/M&RS show here by project partners Ameranth Technology Systems, a major systems integrator and leader in wireless systems solutions, Symbol Technologies, a huge player in wireless mobile computing and Comtec Information Systems, specialists in mobile printing solutions. The product combines essential elements from each of those three vendors, as well as products from several other industry suppliers, on highly versatile, standardized handheld computers running the Microsoft Windows CE operating system (OS). The product will be sold to hospitality PMS

and POS vendors seeking a consistent wireless component to said vendors' existing and future hotel systems.

"What is unique is that for the first time there are wireless and mobile computing standards that tie together hotel systems," said Keith McNally, CEO of Ameranth. "We've pulled together the best-of-breed solutions and can now offer raw technology to our POS and PMS systems partners, who are our conduits to the marketplace."

The core of the solution is comprised of Ameranth's UltraPad 2700, a handheld computer, Symbol's Spectrum24 wireless local area network (LAN) technology and Microsoft's Windows CE OS. But the real power lies in the system's ability to make practically all hotel systems accessible through this single point of access

Some of the applications that can be utilized through the system include: check-in; payment processing (credit, debit and smart cards); valet parking; VIP and frequency program management; housekeeping management; mini-bar, fixed asset and expendables inventory; management interfaces; remote order entry, including poolside, court-side and the 18th hole; personnel management; facilities maintenance and management; Ameranth's 21st Century Restaurant applications, including order entry, inventory control, process control, wait-list management and table management; event, meeting and conference management and control; golf course check-in, management and control; and short- and long-term communications.

The system has also been designed to work seamlessly with both current and legacy hotel applications, so there is no need for hotels to change vendors or replace existing systems. Ameranth's handheld device communicates with the company's middleware and then with other hotel computers and devices through the Symbol wireless LAN, a product built on the open 802.11 wireless standard and widely accepted in virtually every industry. Symbol has been a trailblazer in technologies such as barcode and laser scanning devices and has now set its sights on the hospitality industry as a major source of future business.

"You're going to see a big proliferation of wireless and handheld technologies in restaurants and hotels," said John Harker, Director of Hospitality & Gaming at Symbol. "There are four key reasons: First, we are no longer dealing with proprietary technologies...second, handhelds are no longer big, bulky devices...third, the technology keeps getting cheaper, and fourth, there are now world-class manufacturers creating hospitality-specific wireless technology.

Comtec, another player in the project, provides the capability to print receipts easily from the handheld devices, and also adds another major value-added feature. The Ultrapad devices contain a magnetic stripe reader/writer, so hotel staff can encode room keys for guests from virtually any location on the property. Lock vendors VingCard, TESA Entry Systems, TimeLox and Saflok have all signed-on for integration with the product.

"It all just makes the hospitality experience easier," said Mark Zaccaria, Channel Marketing Manager at Comtec.

Since the product will be brought to market by way of the systems vendors that choose to incorporate the "21st Century Hotel" solution into their product lines, said vendors will also install, support and provide training for the solution. The product's charter systems partner is technology conglomerate Hospitality Solutions International (HSI).





Americas Sest Value Inc



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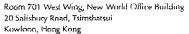
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VIA FAX: 858 794-8222



Marriott International, Inc.

Tel: (852) 2192 6000 Fax: (852) 2192 6060

February 3, 2000

Mr. Keith R. McNally
CEO & President
Ameranth Technology Systems, Inc.
12230 El Camino Real Suite 330
San Diego, CA 92130, USA

Dear Keith:

Marriott International Interest in your products

As you are aware, Marriott International is very interested in your 21St Century RestaurantTM System technology and we believe that many of its innovative features will enhance the efficiency of our operations, increase customer satisfaction and help increase profitability in our operations.

Wolfgang Lindlbauer, our Director of International Food and Beverage Development has been involved to source your technology and to introduce that technology into our market later this year. We are also closely monitoring your progress with the domestic side of Marriott and hope that your efforts in establishing a relationship with our POS partner, Micros turns out successfully.

We believe that Windows CETM wireless terminals linked with laser bar-code scanning of customer frequency cards and an integrated customer database will enable us to provide a leap forward in our level of service, sales and profitability. These features combined with your table and wait-list management functions operating in unison over the web and wireless can take us to the level Marriott needs to be at to maintain a leadership position. We are also aware of your close relationship with Microsoft and Symbol and hope that they will continue to work with you to deliver the breakthrough solutions that we are seeking.

Please keep Wolfgang Lindlbauer informed of your progress with Micros and on the domestic side of the company. We will do all we can to support your progress so that you will be in the position to deliver the extra features we need to meet our objectives starting this summer.



Page 2

Our selected first test site in the Asia Pacific region would be our JW Marriott in Seoul Korea. If your products deliver the capabilities we envision them to have and you establish the interface with Micros we will be most pleased to recommend you throughout our markets.

Sincerely,

Steve Glen

Vice President of Operations, Asia Pacific

Marriott International

cc: Wolfgang Lindlbauer



FOR IMMEDIATE RELEASE

Contact: Kathie Sanders 703-281-4995

Ameranth Technology Systems and Starwood Hotels Announce Revolutionary Wireless System to Improve Service

New York, April 19, 2000—Starwood Hotels & Resorts Worldwide, Inc. has chosen Ameranth Technology Systems®, to design a customized wireless solution which will be used during housekeeping inspections to track the overall cleanliness of hotel guestrooms. Ameranth will integrate applications from Ameranth's 21st Century HotelTM system, Symbol Technologies wireless local area network, and the Pocket PC-enabled UltraPadTM2700 handheld computer.

Ameranth, a Microsoft Pocket PC launch partner, is developing an innovative room inspection application on the UltraPad, for Starwood. Ultimately, Starwood sees the wireless system as a tool that will help them pinpoint ways in which they can improve housekeeping service in their guestrooms. Using a wireless communication solution, the management will have the most current information concerning each room to ensure that the highest possible standards are maintained for each Starwood guest, which is a critical service point because room cleanliness consistently rates as one of the things guests care most about during hotel stays.

The new inspection system will be beta tested this spring at the Sheraton New Orleans, and ultimately rolled out to the entire Sheraton brand. Based upon its success within Sheraton, the Pocket PC-enabled UltraPad will then be introduced in Starwood's other hotel brands.

"Ameranth made an early decision to align its own products and vision with the entire suite of Microsoft products," said Ameranth Vice President and founder, Keith McNally. "The introduction of the new Windows-powered Pocket PC platform validates that decision and will enable us to extend Ameranth's systems well into the 21st Century. We are excited to be launching this solution with Starwood."

AMERANTH® Technology Systems Inc. (www.ameranth.com), founded in 1996 and headquartered in San Diego, California, is a leading systems integrator facilitating data exchange between mobile wireless computers and fixed information systems via Wireless Local Area Networks (WLAN), Local Area Networks (LAN) and/or the World Wide Web. As the leading innovator in the routing and synchronization of data moving between mobile wireless computers, fixed information systems, and the Internet, Ameranth's 21st Century RestaurantTM, 21st Century HotelTM, 21st Century RetailTM and 21st Century HealthcareTM products are set to become the industry standards in enterprise wireless systems.

Starwood Hotels & Resorts Worldwide, Inc., through its St. Regis, Luxury Collection, Westin, Sheraton, Four Points and W brands, is one of the leading hotels and leisure companies in the world with more than 700 hotels in 80 countries and 120,000 employees at its owned and managed properties.

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For additional information you may e-mail Kathie Sanders at <u>ksanders@ameranth.com</u>

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FOR IMMEDIATE RELEASE

Contact: Kathie Sanders 703-281-4995

Ameranth Technology Systems and Jamba Juice Announce Revolutionary Wireless System to "Bust Lines" in Stores, Improve Customer Service

New York, April 19, 2000—Ameranth Technology Systems® and Jamba Juice Company, are working closely together to finalize a Pocket PC application to enable Jamba Juice to "bust lines" during peak periods using the UltraPad™ 2700 mobile computer, and Symbol Spectrum® 24 wireless network. This innovative solution allows Jamba Juice managers to add mobile Point-of-Sale (POS) stations during busy periods without having to make changes to the store's infrastructure.

Jamba Juice has chosen Ameranth, a Microsoft Pocket PC launch partner, to design a customized wireless solution integrating Jamba Juices' Aloha-by-Ibertech POS system, Ameranth's 21st Century Communication MiddlewareTM, Symbol Technologies wireless local area network, and the Pocket PC-enabled UltraPad handheld computer.

"We are excited to work with Ameranth," said Jamba Juice CIO, Manoj Tripathi, "because they understand that reducing the time to serve each customer is our primary goal and using the wireless-enabled Pocket PCs are a key component in reaching that customer service goal."

"Ameranth made an early decision to align its own products and vision with the entire suite of Microsoft products," said Ameranth Vice President, Keith McNally. "The introduction of the new Windows-powered Pocket PC platform validates that decision and will enable us to extend Ameranth's systems well into the 21st Century. We are excited to being launching this solution with Jamba Juice."

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San Francisco-based Jamba Juice Company (www.jambajuice.com) is the industry leader in blended-to-order smoothies, fresh squeezed juices, hot nutritious soups, and healthy breads. The fast growing restaurant company currently has more than 275 locations throughout California, Arizona, Nevada, New Mexico, Texas, Washington, Massachusetts, Wyoming, Oregon, Hawaii, Utah, Illinois, Idaho, Oklahoma, and Washington D.C.

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For additional information you may e-mail Kathie Sanders at ksanders@ameranth.com

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FOR IMMEDIATE RELEASE Contact: Kathie Sanders 703-281-4995

Ameranth's Groundbreaking Pocket PC-Based Solutions to Revolutionize Service-Sector Automation

Wireless Systems Integrator Realizes New Products, New Clients Using Pocket PC Advances

New York, April 19, 2000—Ameranth Technology Systems®, a Microsoft Pocket PC launch partner, announced today that they have integrated the Microsoft Windows-powered Pocket PC platform and handheld computing devices from Symbol Technologies (NYSE:SBL) and other vendors with the company's 21st Century CommunicationsTM middleware. The numerous advantages of Pocket PC such as great color screens, a full-featured Web browser, security and integration with Microsoft Office and Microsoft BackOffice products are allowing Ameranth to expand its business opportunities and increase the range of products and services that it can offer customers. As a result, Ameranth has already broken new ground in the field of wireless systems integration by pioneering the use of Pocket PCs in integrated solutions for the hospitality, retail, and healthcare industries.

"Ameranth made an early decision to align its own products and vision with the entire suite of Microsoft products," said Ameranth Vice President and founder, Keith McNally. "The introduction of the new Windows-powered Pocket PC platform validates that decision and will enable us to extend Ameranth's systems well into the 21st Century."

"Developing end-to-end mobile computing solutions is new to many industries, including the hospitality and healthcare industries," said Doug Dedo, Group Product Manager of the Mobile Devices Division at Microsoft Corp. "Ameranth provides a total turnkey solution integrating Pocket PCs with wireless networks and linking them to PC servers and the Internet. Through this integration, Ameranth's customers are reducing costs and increasing productivity for their businesses and the customers they serve."

Pocket PC is more versatile than other platforms; it is superior in terms of its ability to integrate into other systems; and it will provide access to a wider variety of top quality commercial applications. These advantages of Pocket PC have been the determinant for Ameranth and its coterie of early adopters:

Starwood Hotels & Resorts Worldwide, Inc.

Ameranth is developing a room inspection application on the Pocket PC-enabled UltraPadTM handheld computer, for Starwood, which will be used during housekeeping inspections to track the overall cleanliness of hotel guestrooms. Ultimately, Starwood sees the wireless system as a tool that will help them pinpoint ways in which they can improve housekeeping

service in their guestrooms. Using a wireless communication solution, the management will have the most current information concerning each room to ensure that the highest possible standards are maintained for each Starwood guest, which is a critical service point because room cleanliness consistently rates as one of the things guests care most about during hotel stays. Starwood, through its St. Regis, Luxury Collection, Westin, Sheraton, Four Points and W brands, is one the leading hotels and leisure companies in the world with more than 700 hotels in 80 countries and 120,000 employees at its owned and managed properties.

Jamba Juice Company

Ameranth and Jamba Juice Company, the industry leader in blended-to-order smoothies, fresh squeezed juices, hot nutritious soups, and healthy breads, are working closely together to finalize a Pocket PC application to enable Jamba to "bust lines" during peak periods using the UltraPad 2700 handheld and Symbol Spectrum 24 wireless network.

The increased computing speed of the Pocket PC is essential for Ameranth's clients in the hospitality and retail sectors where the time required to serve a customer is inversely proportional to the level of customer satisfaction. "We are excited to work with Ameranth," said Jamba Juice CIO, Manoj Tripathi, "because they understand that reducing the time to serve each customer is our primary goal and using wireless-enabled Pocket PCs are a key component in reaching that customer service goal."

"We've built our company providing cutting-edge technology to large enterprises and we know what they want," commented Tomo Razmilovic, President and COO of Symbol. "The Pocket PC is perfect for hotels, restaurants, casinos and healthcare facilities because it provides the speed, memory and screen-readability necessary for highly mobile workers moving quickly in hectic environments. Ameranth is our master distributor and preferred partner in the hospitality arena, and we are extremely pleased that they are developing software solutions based on both Symbol's Spectrum 24 wireless network and the Pocket PC and the range of products from Microsoft."

About Pocket PC

Windows-powered Pocket PCs, the next-generation PDAs from Microsoft and its partners, offer customers the best way to connect to their most essential information while away from their desk, yet are versatile enough to satisfy the personal needs of today's busy mobile lifestyle. Pocket PCs already include a broad range of native business, personal productivity, and entertainment applications, yet can easily be expanded to adapt to each customer's changing needs through a continually growing number of industry standard hardware and software expansion options.

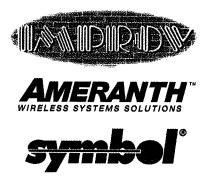
About AMERANTH TECHNOLOGY SYSTEMS

AMERANTH® Technology Systems Inc., founded in 1996 and headquartered in San Diego, California, is a leading systems integrator facilitating data exchange between mobile wireless computers and fixed information systems via Wireless Local Area Networks (WLAN), Local Area Networks (LAN) and/or the World Wide Web. As the leading innovator in the routing and synchronization of data moving between mobile wireless computers, fixed information systems, and the Internet, Ameranth's 21st Century RestaurantTM, 21st Century HotelTM, 21st Century CasinoTM, 21st Century RetailTM and 21st Century HealthcareTM products are set to become the industry standards in enterprise wireless systems.

For additional information you may e-mail Kathie Sanders at ksanders@ameranth.com

eating 260 people, three times a night is a lot easier since the Dallas Improv installed Ameranth Technology Systems, Inc.'s 21st Century Restaurant™. Running on the Microsoft®

Distributed interNet Architecture, the solution boasts a commerce-enabled Web site hosted by Microsoft Windows® 2000 Advanced Server that's boosting ticket sales. Ameranth 21st Century Communications™ middleware facilitates integration of customer data from the Web site with Windows CE ticketing software used to wirelessly assign tables.



Every joke is a tiny revolution, says George Orwell, and if the reverse is true for the kind of revolution that signals progress, everyone must be laughing at the Dallas Improv Comedy Club. Going from phones, pens, paper, and a single laminated seating chart to installing a Web, PC, and wireless system to handle all the ticketing, food ordering, table management, and payment processing for three 260-seatings a night has undoubtedly made owner Tom Castillo a happy man.

And the fact that the Ameranth Technology Systems, Inc. 21st Century Restaurant™ solution he chose for the Dallas Improv is built using 100 percent Microsoft products and runs on the Microsoft Distributed interNet Architecture (DNA) platform, gave Castillo the security to enjoy his leap into the 21st century.

"I am comforted that Ameranth uses the Microsoft suite of products to provide their integrated solution," he says. "I know that with Microsoft, we will have the flexibility to integrate other software products in the future."

The Ameranth Advantage

Castillo first came across Ameranth Technology Systems, Inc. last year in Chicago at the National Restaurant Association's annual tradeshow. At that point he told Ameranth that, "the Improv needs to move its systems into 21st Century technology," and he was "won over by the company's demonstration." Looking for a total solution, Castillo was particularly impressed with the fact that Ameranth could develop and install the entire Web, PC, and wireless system—something no other company could match. Because Castillo was

Solution Overview

Company Profile

The Improv Comedy Clubs showcase live performances by top, nationally known comedians. The Dallas Improv, located in the Dallas metropolitan area, is one of ten locations across the United States. The Dallas Improv has a full drink and dinner menu, and on the weekends runs a comedy-infused traffic school.

Situation

Before Improv Comedy Club owner Tom Castillo went looking for a way to automate the ticketing, food ordering, table management, and payment processing at the Dallas Improv, the operation was making do with pens, paper, and a laminated seating chart. The resulting inefficiency compromised customer service and didn't help the bottom line.

Business Solution

The Improv solution integrates Ameranth Technology Systems, Inc.'s software for Windows CE-based wireless handheld computers (Ameranth UltraPad™ 2700), Microsoft® Windows® NT® Server, and SQL Server™ 7.0 with Ameranth's 21st Century Communications middleware and a Symbol 802.11 FH Wireless LAN. The solution, called 21st Century Restaurant, provides Internet ticketing and payment processing, traffic school reservations and food ordering, phone-based ticketing and payment processing, and wireless handheld ticket authorization and seating assignments. The entire solution is built according to the Microsoft Distributed interNet Architecture and takes advantage of Microsoft Windows 2000 Server to power a new ecommerce enabled Web site. Ameranth has just inked a deal to install the same system in the Phoenix and Washington DC Improvs.

Benefits

Immediate improvements in efficiency and speed of service increased revenue and dramatically enhanced the customer experience at the Dallas Improv. A new interactive Web site allows customers to pre-order and pre-pay for food and tickets for faster service at the theatre, where staff can quickly process their reservations and assign tables using a wireless handheld computer. Meanwhile the kitchen already has their food prepped and it comes to the table on time—definitely the best time in show business.



Ameranth Case Study (continued)

basically starting from scratch, this provided a great advantage.

"At the time, the Improv was a very low-tech and inefficient operation, where phone-based reservations were noted with pencil and paper and the table management was done with a grease pencil and a laminated seating chart," Castillo recalls. The company did have a Macintosh for accounting and running an antiquated POS system, as well as a promotional Web site with no interactive capabilities. And there was no database housing customer information.

Castillo immediately saw Ameranth as a way to increase sales by ramping up the

company's efficiency and speed of service throughout the entire customer cycle and e-commerce enabling the Web site. The solution would also provide a way to create a customer database. "Using Ameranth's 21st Century Restaurant, I believe the Improv will be able to increase sales and increase both the efficiency and speed of service," he says. "We are predicting costs will be recovered within a year."

Microsoft Scales to the Solution

Ameranth's core technology is the 21st Century Communications™ middleware which routes data, regardless of program-

ming language, across a variety of platforms, facilitating the data synchronization required for integrating different systems, including Web-based, Wireless LAN and PC-based client/server systems.

The Improv solution integrates Ameranth's software for Windows CE wireless handheld computers, the UltraPad™ 2700, and the Microsoft Windows NT® Server operating system and Microsoft SQL Server™ 7.0 with Ameranth's 21st Century Communications middleware and a Symbol Technologies 802.11 FH WLAN. This total solution provides

Internet ticketing and payment processing, traffic school reservation and food ordering, phone-based ticketing and payment processing with instant database input, and wireless handheld ticket authorization and seating assignments. A new self-service Web site enables customers to pre-order and pre-pay for tickets and food.

Given that the Improv's Ameranth solution spans the range from Web-based, to client/server to wireless technologies running on the Microsoft Windows CE operating system, it's no wonder that Castillo was happy that his solution adheres to Microsoft Windows DNA architecture that provides exceptional interoperability on a comprehensive, scalable platform for building and hosting distributed Web-based applications. "We wanted to use the Microsoft BackOffice® family of technologies and the Windows DNA platform because they are dependable and interoperable with many hardware and software technologies," says Castillo.

And by taking advantage of Microsoft Windows 2000 Advanced Server and its built-in Web server, Internet Information Server 5.0, to host the Improv's new selfservice Web site, the Improv can Internetenable its entertainment business model and set the stage for an enhanced customer experience.

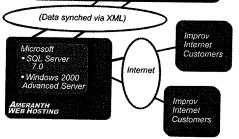
Front Row Center

The best seat in the house is where everyone likes to sit, but it's not the only thing that contributes to a great evening out. Patrons at the Dallas Improv benefit from the Ameranth solution from the moment they pick up the phone, or log on to the Web site to

Improv Comedy Clubs System Architecture w/ Internet Ticketing and Food Ordering



Washington D.C. Improv Phoenix Improv Dallas Improv POS Terminal AN Communication Microsoft Symbol Spectrum24 SQL Server



The Improv Comedy Clubs system architecture featuring Ameranths Technology's 21st Century Restaurant

"Thanks to the database system we now know who our customers are. Thanks to the wireless integration, the ticketing system, and the Web site, we now have a few minutes to get to know our customers."

Tom Castillo, Owner, The Improv

book their tickets. Over the phone, the Ameranth Desktop Ticketing/
Reservations software enables staff to process orders more efficiently with automated table seating assignments.

Now that agents can also enter customer information directly into the SQL Server database, management can track sales, implement a frequent customer program and produce mass e-mails.

Both online and phone orders are the first step in speeding up table management at the theater. Using Ameranth's UltraPad 2700 wireless computers and the Symbol Spectrum 24 Wireless LAN Access Point, staff can wirelessly process each customer either through scanning the bar code on tickets they printed out when purchasing online, or by inputting the authorization code they received over the phone. Using the UltraPad 2700 computer to access the database, table assignments are quickly and efficiently given to customers. Internet-ordered food expedites the wait staff's job as orders can be started upon the customer's arrival, leaving them more time to sell revenue-generating drinks and desserts.

Theater management also benefits from the use of Ameranth's 21st Century Database Wizard for updating the Web site prices, menus, show listings, and comedian bios and photos — without any knowledge of HTML.

For more information

About Microsoft

Call the Microsoft Sales Information Center at (800) 426-9400. In Canada, call the Microsoft Canada Information Centre at (800) 563-9048. Outside the 50 United States and Canada, please contact your local Microsoft office.

For more information about Microsoft BackOffice-based hospitality solutions, visit the Microsoft hospitality industry home page on the World Wide Web, at http://www.microsoft.com/industry/hospitality.

About Ameranth

Ameranth Technology Systems 12230 El Camino Real, Suite 330 San Diego, California 92103-2090

Tel.: 858-794-8282 Fax: 858-794-8222

E-mail address: info@ameranth.com Web site: www.ameranth.com

Ameranth Technology Systems Inc., founded in 1996, is a systems integrator facilitating data exchange between mobile wireless computers and fixed information systems. Through routing and synchronizing data moving between Wireless Local Area Networks and fixed information systems, including Internet servers, Ameranth's systems integration, software products and related services increase the speed, scope and efficiency of information processing for various industries, including hospitality and healthcare. Ameranth's customized products, solutions, and services are revolutionizing the way these industries operate by introducing them to the extraordinary benefits that mobile, wireless communications have to offer. Along with its strategic partner, Symbol Technologies, Ameranth is dedicated to establishing the wireless system standards around Symbol's Spectrum24 802.11 Wireless Local Area Network and Microsoft's Windows CE operating system.

Database Information

Version Used: Microsoft SQL Server 7.0 Size of Total Database: 1.5 GB Size of Largest Database: 1.5 GB

Microsoft Software Used

Microsoft Visual Studio®
Windows CE Toolkit
Microsoft SQL Server 7.0
Microsoft Windows 2000 Advanced Server
Microsoft Windows NT Server
Microsoft Office 2000



FOR IMMEDIATE RELEASE

Contact: Kathie Sanders 858-794-8282

Ameranth Announces Integration of Pocket PC with Ameranth's 21st Century CommunicationTM Middleware

Chicago, May 22, 2000—Ameranth® Technology Systems, a Microsoft Pocket PC launch partner, is announcing their integration of the Microsoft Windows-powered Pocket PC platform and handheld computing devices from Symbol Technologies (NYSE:SBL) and other vendors with Ameranth's 21st Century Communication™ middleware. The numerous advantages of Pocket PC—such as color screens, a full-featured Web browser, security and integration with Microsoft Office and Microsoft BackOffice products—are allowing Ameranth to expand its business opportunities and increase the range of products and services. As a result, Ameranth has already broken new ground in the field of wireless systems integration by pioneering the use of Pocket PCs in integrated solutions for the restaurant, hospitality, retail, and healthcare industries. The Company will make the formal announcement at a press conference today, May 22nd, at 11:30 a.m. at The National Restaurant Association Show, Room N230A.

"Ameranth made an early decision to align its own products and vision with the entire suite of Microsoft products," said Ameranth Executive Vice President of Business Development and founder, Keith McNally. "The introduction of the new Windowspowered Pocket PC platform validates that decision and will enable us to extend Ameranth's systems well into the 21st Century."

"Developing end-to-end mobile computing solutions is new to many industries, including the hospitality and healthcare industries," said Doug Dedo, Group Product Manager of the Mobile Devices Division at Microsoft Corp. "Ameranth provides a total turnkey solution integrating Pocket PCs with wireless networks and linking them to PC servers and the Internet. Through this integration, Ameranth's customers are reducing costs and increasing productivity for their businesses and the customers they serve."

Pocket PC is more versatile than other platforms; it is superior in terms of its ability to integrate into other systems; and it will provide access to a wider variety of top quality commercial applications. These advantages of Pocket PC have been the determinant for Ameranth and its coterie of early adopters, that includes:

Jamba Juice Company

Ameranth and Jamba Juice Company, the industry leader in blended-to-order smoothies, fresh squeezed juices, hot nutritious soups, and healthy breads, are working closely together to finalize a Pocket PC application to enable Jamba Juice to "bust lines" during peak periods using Ameranth's UltraPad 2700 handheld and Symbol Spectrum 24 wireless network.

proportional to the level of customer satisfaction. "We are excited to work with Ameranth," said Jamba Juice CIO, Manoj Tripathi, "because they understand that reducing the time to serve each customer is our primary goal and using wireless-enabled Pocket PCs is a key component in reaching that customer service goal."

"We've built our company providing cutting-edge technology to large enterprises and we know what they want," commented Tomo Razmilovic, President and COO of Symbol. "The Pocket PC is perfect for hotels, restaurants, casinos and healthcare facilities because it provides the speed, memory and screen-readability necessary for highly mobile workers moving quickly in hectic environments. Ameranth is our master distributor and preferred partner in the hospitality arena, and we are extremely pleased that they are developing software solutions based on both Symbol's Spectrum 24 wireless network and the Pocket PC and the range of products from Microsoft."

About Pocket PC

Windows-powered Pocket PCs, the next-generation PDAs from Microsoft and its partners, offer customers the best way to connect to their most essential information while away from their desk, yet are versatile enough to satisfy the personal needs of today's busy mobile lifestyle. Pocket PCs already include a broad range of native business, personal productivity, and entertainment applications, yet can easily be expanded to adapt to each customer's changing needs through a continually growing number of industry standard hardware and software expansion options.

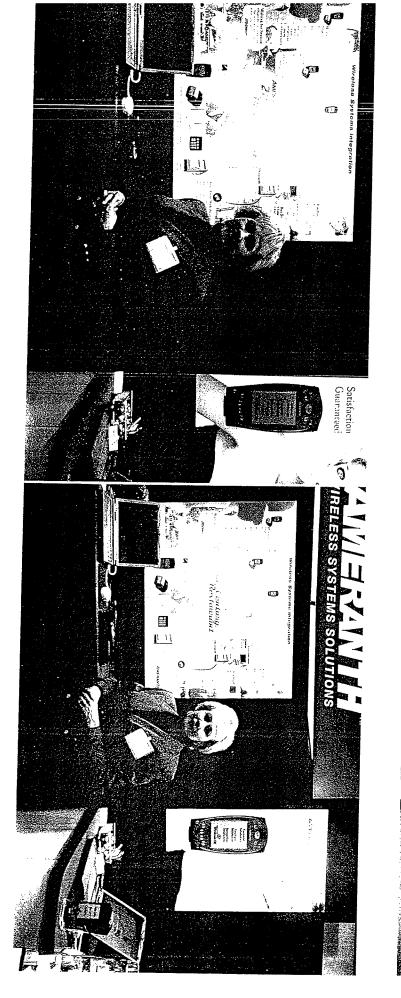
About Ameranth Technology Systems

AMERANTH® Technology Systems Inc., founded in 1996 and headquartered in San Diego, California, is a leading systems integrator facilitating data exchange between mobile wireless computers and fixed information systems via Wireless Local Area Networks (WLAN), Local Area Networks (LAN) and/or the World Wide Web. As the leading innovator in the routing and synchronization of data moving between mobile wireless computers, fixed information systems, and the Internet, Ameranth's 21st Century RestaurantTM, 21st Century HotelTM, 21st Century CasinoTM, 21st Century RetailTM and 21st Century HealthcareTM products are set to become the industry standards in enterprise wireless systems.

About Symbol Technologies

SYMBOL TECHNOLOGIES, INC. is a global leader in mobile data management systems and services with innovative customer solutions based on wireless local-area networking for voice and data, application-specific mobile computing, and bar-code data capture. More than 7 million Symbol scanners and application-specific, scanner-integrated mobile computer systems are in use worldwide. Symbol and its global network of business partners provide solutions for retailing, transportation and distribution logistics, parcel and postal delivery, healthcare, education, manufacturing, and other industries.

For additional information you may e-mail info@ameranth.com or call (858) 794-8282





Ed Rothenberg Phone Call, 09MAY00

- 1. hardware price is the most critical (price to customer needs to be less than \$ 1000 w/ RF)
- 2. everything oriented toward joint marketing
- 3. wants exclusivity
- 4. response time
- 5. requirements to keep development team focused on hospitality
- 6. negotiable margins
- 7. want to sell new POS systems as a whole that include handheld terminals
- 8. don't want to sell to currently installed base (this only represents value to Ameranth, not to Micros
- 9. many of Micros' customers own the interface to their product
- 10. development conditions: use current tools, etc.
- 11. leverage our IP
- 12. Micros has relationship with HP to resell their products
- 13. Hardware is a cutthroat business, Micros knows because they are in the business
- 14. Expect large sales overseas (difficult sales, VAT calculations, foreign languages, etc.)
- 15. Technical resources are earmarked to begin in 30 to 45 days.

MICROS-AMERANTH INTELLECTUAL PROPERTY LICENSE, DEVELOPMENT AND MARKETING TERM SHEET

INTELLECTUAL PROPERTY LICENSE AND DEVELOPMENT

1. License of Ameranth Intellectual Property:

Ameranth shall license to MICROS certain software (the "Ameranth Intellectual Property") for use by MICROS and sublicense to end-users of MICROS's products ("End Users"). During the term of the Agreement for so long as Micros meets its sales objectives as set forth in Exhibit A, Micros will be Ameranth's exclusive reseller of Ameranth Intellectual Property in the hospitality industry. As Ameranth's exclusive reseller of Ameranth Intellectual property in the hospitality industry, Micros shall have the right to resell Ameranth Intellectual property to other hospitality-system vendors and to end-user customers. However, any reseller contract entered into by Ameranth prior to June 15, 2000 will be allowed to run its course. ALOHA. IMPLICATIONS TO CONTROL OF A PROTOCOL.

2. License Fees for Ameranth Intellectual Property:

MICROS shall pay Ameranth the license fees set forth in Exhibit B within thirty days of the last day of the month in which the particular license or sublicense was granted.

3. Hardware Sales:

MICROS may purchase hardware products from Ameranth at the most favored rates offered by Ameranth in the hospitality industry, taking into account all the terms and conditions of sale.

4. Custom Development:

Ameranth shall be the subcontractor for all development work based on the Ameranth Intellectual Property. Ameranth shall have a right of first offer and first refusal to serve as the subcontractor of MICROS with respect to all custom development for the hospitality industry related to those areas in which Ameranth then has those development capabilities.

MICROS will submit requests for proposals for custom development services, to which Ameranth will have ten business days in which to respond with a binding proposal for a customer. A proposal shall be binding for a period of ninety days. Upon acceptance of a proposal, Ameranth shall commence work no greater than twenty days after acceptance by MICROS, unless otherwise noted in the proposal. Each proposal shall be subject to the terms and conditions contained therein.

5. Feature Releases:

Ameranth will maintain a development team focused on producing and enhancing software products for the hospitality industry and interfaced to MICROS products, producing Feature Release of various handheld solutions on a mutually agreed time-frame as defined on an annual basis by Ameranth and MICROS. Ameranth and MICROS will jointly develop the Applicable Requirement for these Feature Releases. A "Feature Release" is one that provides new functionality to the

marketplace. Intellectual property rights for Feature Releases will reside with Ameranth and will be licensed to MICROS according to the terms of the standard Ameranth/Micros Licensing and Distribution Agreements.

6. Enhancements & Modifications: Ameranth shall provide, at its own expense, initially two dedicated developers and additional developers based upon agreed sales metrics as set forth in Exhibit C, who will work with MICROS on any and all enhancements or modifications. Additionally, Ameranth will develop the modifications and enhancements contained in and according to the schedule in Exhibit D. Intellectual property rights for Enhancements and Modifications will reside with Ameranth and will be licensed to MICROS according to the terms of the standard Ameranth/Micros Licensing and Distribution Agreements.

7. System Requirements:

All Custom Development, Feature Releases, and Enhancements & Modifications as integrated with MICROS software products and peripherals shall: (i) satisfy all applicable international translation, taxation, and reporting requirements; and (ii) operate properly with the then current version of the target operating systems environment, compilers, and other associated development tools.

8. Testing and Reliability:

MICROS and Ameranth shall strive for 100% availability and reliability of all integrated solutions. Ameranth shall provide the responsiveness to reported problems during pre-release testing (alpha and beta) and post release customer support, as stipulated in Exhibit E. MICROS will train no fewer than 3 Ameranth personnel on MICROS products. MICROS will provide test equipment for Ameranth to use to test, evaluate and troubleshoot the Intellectual Property.

MARKETING

9. Ameranth Marketing:

Ameranth shall continue efforts to market wireless solutions in the hospitality marketplace.

10. Marketing Support to MICROS:

Based on a first year mutually agreed upon static budget and (ii) as a percentage of MICROS Hospitality Industry generated sales thereafter as set forth in Exhibit E. Ameranth shall provide to MICROS sales and marketing support, as reasonably requested by MICROS. If MICROS requests that Ameranth support a sales meeting or presentation, Ameranth shall make good faith efforts to make available a qualified person at no cost to MICROS.

11. Referral Fee:

Micros shall pay Ameranth a Referral Fee as set forth in Exhibit F for all referrals that lead to a sale. If the parties determine that a customer will be better served if Ameranth take the lead for a particular account and if the account is obtained through a Micros referral to Ameranth, then Ameranth shall pay Micros a Referral Fee as set forth also in Exhibit F.

MISCELLANEOUS

11. Training Support to MICROS: Ameranth shall reasonably participate in MICROS sales training in the

form of product training classes and updates on product development

efforts.

13. Product Support: Ameranth shall provide Level II technical support. Shall pay Ameranth

a portion of the support revenues associated with any installation/license of Ameranth Intellectual Property according to the

schedule set forth as Exhibit H.

12. Demo-Systems Support: Ameranth shall provide MICROS with demo software free of charge

and demo hardware at cost, and assist in routinely maintaining the

demo systems in their most current embodiment.

13. Coordination Meetings: Ameranth and MICROS shall meet face to face as needed, but at a

minimum on a monthly basis, alternating location of the meeting between the two companies' respective offices or a mutually agreed location, for the purpose of reviewing and updating development, test, and marketing efforts. Each company shall maintain senior representatives in the areas of development, marketing, and support,

who will need to be represented at this meeting.

14. Microsoft Participation: Ameranth shall use commercially reasonable efforts to support and

coordinate meetings between MICROS and Microsoft for purposes of

having Microsoft assist MICROS.

15. Non Disclosure: The existence and terms of this proposal will not be disclosed to any

third party(other than each party's professional advisors and such third parties as may be required to consent to a transaction) without the prior

written consent of the other party.

16. Non Binding Effect: The provisions of this term sheet reflect a non-binding expression of

interest except for those contained under the Non Disclosure Provision,

which shall be binding.

W.J. Kitchen

From: Curt Mcleland [cmcleland@ameranth.com]

Sent: Thursday, June 22, 2000 6:21 PM

To:Ed Rothenberg (E-mail)Cc:WJ Kitchen (E-mail)Subject:Updated license structure



#2.xls Dear Ed,

Thanks for getting back to me regarding the license schedule. As discussed, I have updated the format to break out the middleware from the per handheld charge so that we can move towards a \$1,000 per handheld solution. There are two tabs in the excel workbook that outline the software licenses and overall configuration. The first spreadsheet summarizes the per handheld cost structure and the recommended MSRP. As you can see, the MSRP is higher than the \$1,000. However, there is \$149 per handheld gross profit using the current cost structure if MICROS was to price each handheld at \$1,000. The biggest cost of the solution is clearly the hardware which should come down in price by the time MICROS and Ameranth would be ready to deliver the wireless solution in late 2000. There is also estimated pricing for the access point so that you can estimate the cost of the full wireless solution.

The second tab basically breaks down the license minimums for the handhelds and the middleware. This is very similar to the last spreadsheet you received earlier this past week. As you can see, I've proposed price breaks for middleware depending on the number of handhelds as discussed. I've taken a ratio of 10 handhelds per 1 installation to determine the number of respective licenses for the handheld and the middleware. I've calculated the minimum on the middleware using the > 10 handhelds per installation. However, any combination of the different configurations could equal the minimum as long as the revenue number equals the monthly \$ minimum. For example, you could meet the minimum by selling 100 (10 unit installs) or 200 (5 unit installs) or any combination thereof.

Ultimately, I believe that MICROS/Ameranth can work towards a \$1,000 handheld solution. We are very sensitive to what the market is looking for in a handheld solution and that is why we have been moving towards a non-ruggedized solution to compliment our ruggedized solution.

We are very excited about the prospect of working with MICROS. I realize that both of us will be on vacation next week, however, we are dedicated to moving this process forward ASAP. If you have a chance to review this and could call us tommorrow morning it would be greatly appreciated. This would then give us the opportunity to make any necessary changes to the pricing and license structure and finalize our legal review next week so that when you and I return from vacation we haven't lost any time. WJ will be here all next week and he has your cell phone number to ensure we maintain communication. I will also check in periodically during the week to assist in any way I can.

Thanks again.

Curt

System C	onfiguration			
Handheld	- I	Current MSRP	Cost	
nanunciu	Software License	399	200	•
	Compaq Hardware	499	400	Estimate
	Radio Card	395	251	
	Total	1,293	851	•
	If sold for \$1,000 MICROS would	Current	ated \$149	per handheld Gross Profit
Other iter	ns:	MSRP	Cost	
	Access point	1,495	1,050	•

Other Software items to be discussed that are not included in the middleware or per handheld license examples:

Valet Parking Hostess/Table management Frequent Diner

Ameranths internet and ASP solutions

The information presented above is for informational purposes only and does not constitute any contractual obligations by Ameranth.

EXHIBIT B

SOFTWARE LICENSE PER HANDHELD (Avg 10 per installation)	Year 1	Year 2	Year 3	Year 4	Year 5 and after
Minimum Monthly Per handheld Licenses	1,000	2,000	4,000	7,500	10,000
Per handheld license fee due AMERANTH POS Extension - Per handheld (MSRP \$399)	\$200	\$200	\$200	\$200	\$200
Total Monthly Minimum \$	\$200,000	\$400,000	\$800,000	\$1,500,000	\$2,000,000
Annual Minimum \$	\$2,400,000	\$4,800,000	\$9,600,000	\$18,000,000	\$24,000,000
MIDDLEWARE LICENSE PER INSTALLATION	Year 1	Year 2	Year 3	Year 4	Year 5 and after
Minimum Monthly Per Install Licenses	100	200	400	750	1,000
Per Installation license fee due AMERANTH Middleware - Per Installation (MSRP \$495 for sites with < 5 handhelds) Middleware - Per Installation (MSRP \$995 for sites with 5 -10 handhelds) Middleware - Per Installation (MSRP \$1,995 for sites with 10 - 15 handhelds) Middleware - Per Installation (MSRP \$1,995 for sites with > 20 handhelds)	\$250 \$500 \$1,000 \$1,500	\$250 \$500 \$1,000 \$1,500	\$250 \$500 \$1,000 \$1,500	\$250 \$500 \$1,000 \$1,500	\$250 \$500 \$1,000 \$1,500
Total Monthly Minimum \$ (Minimujm based on > 10 handhelds per site)	\$150,000	\$300,000	\$600,000	\$1,125,000	\$1,500,000
Annual Minimum \$	\$1,800,000	\$3,600,000	\$7,200,000	\$13,500,000	\$18,000,000
Total Annual \$ Minimum for Handheld software and Middleware	\$4,200,000	\$8,400,000	\$16,800,000	\$31,500,000	\$42,000,000

The information presented above is for informational purposes only and does not constitute any contractual obligations by Ameranth.



FOR IMMEDIATE RELEASE

Contact: Kathie Sanders 858-794-8282

Ameranth Technology SystemsTM Inc. Announces Investment by Microsoft

San Diego, June 16, 2000—Ameranth Technology Systems Inc. today announced that Microsoft Corp. is making an undisclosed investment in their company. Ameranth is a San Diego-based wireless software development company specializing in the integration of wireless handheld computers, back office systems and the Internet. Ameranth's products and solutions allow service providers to take automation directly to the customer via Internet and wireless, thereby improving service and reducing cost. As a Microsoft Pocket PC launch partner, Ameranth recently announced the integration of its revolutionary 21st Century CommunicationTM middleware with Microsoft's Pocket PC platform handheld computing devices. The investment was exchanged for an undisclosed amount of equity in the privately held Ameranth.

"We are very pleased with the Microsoft investment," said Ameranth CEO, Dr. W.J. Kitchen. "From the beginning, Ameranth made a unilateral decision to align its products and vision with the entire suite of Microsoft products. We are extending this integration to the Microsoft Windows-powered Pocket PC platform because the platform will enable us to offer the handheld computer interfaces and systems integration our customers are demanding."

"Ameranth is occupying a critical space in information technology, and we are confident it has the wherewithal to exploit this space to great end," said Doug Dedo, group product manager of the Mobile Devices Division at Microsoft Corp. "Ameranth provides a total turnkey solution integrating Pocket PCs with wireless networks and linking them to PC servers and the Internet. Through this integration, Ameranth's customers are reducing costs and increasing productivity for their businesses and the customers they serve."

Ameranth has recently announced a number of wins:

Pyxis Corporation and Ameranth developed the PyxisVeri5™ Medication
 Verification and Documentation System for healthcare facilities. This application
 will allow healthcare professionals to use the Symbol PPT 2740 with Pocket PC
 to access patient records—via Ameranth's 21st Century Communication
 middleware—in order to verify prescriptions and check for allergies and
 interactions prior to administering medications.

- Starwood Hotels & Resorts Worldwide, Inc. and Ameranth have developed a room inspection application on Ameranth's Pocket PC-enabled UltraPadTM handheld computer, which will be used during housekeeping inspections to track the overall cleanliness of hotel guestrooms.
- The Jamba Juice Company and Ameranth are working closely together to finalize a Pocket PC application to enable Jamba Juice to "bust lines" during peak periods using the UltraPad 2700, a Symbol Spectrum 24 wireless network., and Ameranth's 21st Century Communication middleware.
- The Improv Comedy Clubs is currently using Ameranth developed software for their wireless, Internet and box office ticketing system.

About AMERANTH TECHNOLOGY SYSTEMS AMERANTH® Technology Systems Inc., founded in 1996 and headquartered in San Diego, California, is a leading systems integrator facilitating data exchange between mobile wireless computers and fixed information systems via Wireless Local Area Networks (WLAN), Local Area Networks (LAN) and/or the World Wide Web. As the leading innovator in the routing and synchronization of data moving between mobile wireless computers, fixed information systems, and the Internet, Ameranth's 21st Century RestaurantTM, 21st Century HotelTM, 21st Century CasinoTM, 21st Century RetailTM and 21st Century HealthcareTM products are set to become the industry standards in enterprise wireless systems.

For additional information you may e-mail info@ameranth.com.

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Ameranth Serves Up Customer Friendly Cold War Technology

By JENNIFER DAVIES San Diego Daily Transcript

When the Cold War ended, many

Del Mar

San Diego defense company had to take its

technology and re-apply it to the new peace-time reality.

Keith McNally, a co-founder of Diego-based Ameranth Technologies and a former Litton and SAIC employee, said he surveyed the post-Cold War landscape and determined that in spite of the geopolitical shifts, one thing would remain unchanged.

"When peace broke out, I thought about it and decided that, no matter what, people will be eating for the foreseeable future," McNally said.

So with two former Army buddies, Daniel Drummond and Bill Roof, McNally started Ameranth Technologies, a company that aims to use wireless technology to improve the efficiency of the notoriously inefficient restaurant industry.

as a middleware Working product with a variety of point-ofsale computerized restaurant systems, Ameranth's technology

allows servers to enter in orders on wireless devices as well as provide a whole host of functions from automatic valet service to table side checkout. In addition, the system can also provide realtime analysis of table turnover so managers can pinpoint problems quickly and also allow busboys to alert the host station wirelessly. when a table is clean.

Ameranth's technology works with Microsoft's Pocket PC operating system and uses a co-branded handheld technology developed with

Symbol Technologies, both of which are investors in

company.



W.J. Kitchen, a former Motorola executive who came on board four Please Turn to Page 8A

Ameranth Continued From Page 1A

months ago, said by wirelessly automating restaurant processes, Ameranth's technology allows eating establishments to turn

tables at much faster rates, both improving the diners' experiences and bolstering the bottom line.

"The restaurant business is really a real estate business, and that real estate is the table," Kitchen said. "With our technology, during peak hours, restaurants can turn one-and-a-half to two times the numbers of tables they would have without it."

The promise of efficiency is not limited to the restaurant industry, Kitchen said. Ameranth is also targeting hotels, casinos and cruise ships as part of its market share, as

well as sports stadiums.

Aside from high-profile investors like Microsoft, Ameranth recently was awarded close to \$200,000 through the San Diego Regional Technology Alliance. Cliff Numark, the CEO of the SDRTA, said Ameranth was one of 25 companies statewide to receive the grant and is a classic example of San Diego's successful push to retool its defense industry.

"They epitomize the conversion of the San Diego economy from one that was focused on the defense industry to a commercially focused economy," Numark said.

But aside from the company's ability to morph defense technology into practical applications, Numark said Ameranth is also impressive because it is working to build a niche in a potentially huge market.

Ameranth has inked a number of deals to provide its technology to hospitality companies such as Jamba Juice, a purveyor of fruit smoothies, and Starwood Hotels & Resorts Worldwide Inc. In addition, The Improv Comedy Clubs has also signed with Ameranth to use its software to bundle its wireless, Internet and box office ticketing system to allow patrons to preorder seats, food and drinks.

"They are really working the business development side of things," Numark observed. "They are making the right partnerships and with the right companies."

iennifer.davies@sddt.com Source Code: 20000720tba



FOR IMMEDIATE RELEASE

Contact: Kathie Sanders 888-AMERANTH .

Ameranth Receives Moby Award™ For Wireless Mobile Computer Application

LAS VEGAS, NV, September 13, 2000—Ameranth Technology Systems Inc. has received the entertainment sector Moby AwardTM for its mobile computer software applications. This award, from Mobile Insights, honors "the best and finest implementations of mobile computing and wireless data communications" and specifically recognizes the wireless handheld computer ticket authorization and seating assignment application created for the Improv Comedy Club in Dallas.

"We are honored to receive this recognition for our wireless computer software applications," commented Dr. W.J. Kitchen, Ameranth's CEO. "Mobile Insights is the leading authority on mobile computing. and we are privileged to receive this prestigious award."

Ameranth's wireless handheld computer ticket authorization and seating assignment application for the Dallas Improv Comedy Club is part of an Ameranth created Internet and site-based ticketing system. The Ameranth mobile computer software application runs on a Symbol Technologies PPT 2740 wireless mobile computer and is integrated with the ticketing database via the Ameranth 21st Century Communication™ Controller server. With this system, customers with ticketing reservations can bypass the ticketing office and proceed directly to the theater entrance for ticket verification and seating assignments.

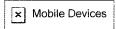
The Moby Awards™ were presented at the Mobile 2000 conference, held from September 10-12 at the Bellagio hotel in Las Vegas, Nevada. Mobile Insights, Inc., a professional services firm focused on mobile computing and data communications, received several nominations for thirteen categories, which ranged from education, field services and transportation, to healthcare, manufacturing and entertainment. Vendor nominations were reviewed by the Mobile Insights analyst team, which included, Gerry Purdy, Craig Mathias, Theresa Barry Nozick, and Tim Scannell.

AMERANTH® Technology Systems Inc. (www.ameranth.com) is a leading provider of wireless system software to the hospitality industry. The Company's software applications, which run on PocketPC wireless handheld computers, communicate with legacy back office systems over wireless LANs—moving the point of activity from fixed terminals to where it belongs—by the customer's side. Ameranth's 21st Century RestaurantTM system is set to become the industry standard for wireless ordering and payment processing in restaurants.

-30-

For additional information you may e-mail Kathie Sanders at info@ameranth.com

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Enterprise

News & Events

Battle of the Century: Palm versus Pocket PC

By Dale Coffing, Nov 13, 2000

This exciting session was a classic debate between three panelists representing Palm versus three representing Microsoft. Microsoft is in an unfamiliar role of David taking on Palm, the Goliath of the PDA market industry. Who comes out the winner?

I got to this session early because I have learned very quickly at COMDEX that parking and traffic may be the biggest battle you may encounter during this week in Las Vegas. The real battle I came to witness though wasn't out on the streets but down in the conference halls of the Venetian Hotel.

J. Gerry Purdy of Mobile Insights, Inc., who came up with this popular session's idea, moderated the debate. The "David" in this battle complete with a sling filled with the Windows® Powered Smartphone 2002 (code-named Stinger) was Phil Holden of Microsoft who headed a team for the Pocket PC of Ted Clark, Compaq, and Keith McNally, Amerath. They were pitted against the "Goliath" with his armor of historical market dominance slides by Michael Mace of Palm, Inc. and his team of Joe Sipher; Handspring, and Greg Zerkis; Motorola.

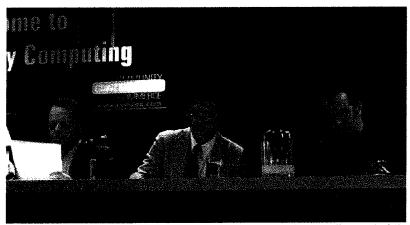


Figure 1: The Pocket PC panelists of Ted Clark, Keith McNally, and Phil Holden.

Gerry opened up the session by giving everyone the intended format for the session. Each side would be timed as they spoke and have opening remarks that would then follow with each team responding and have rebuttal comments. Closing comments of each team wrapped up the debate. This format and topic was apparently popular as the room filled to capacity, which I would estimate at around 1,000 people.

Question Posed About the Future of These Devices

Phil opened the debate with some humbling comments about the poor product that had been the initial release of Windows CE and how Palm had done it right and has a great installed base to prove it. "Palm is clearly the market leader" Phil acknowledged. He then shifted his comments to have the debate not center on the history of the PDA but instead focus on the future of it. He brought up topics to cover, such as telephone, e-mail with attachments, games, multi-tasking, connectivity, readability of eBooks. Phil asked, "What is the right path for the future?" as he wanted to hear where Palm was

going in the future to meet customers needs.

Michael opened up with an impressive set of slides showing the market dominance of Palm devices over Windows-powered devices over the last several years. The slides detailed everything from the relatively small user base of product for Windows Powered Pocket PCs compared to the large quantity of available software for Palm. He started throwing the first arrows, as Gerry put it later, with a counter comment about how it is possible to grow a business quickly when he showed the fast-paced growth of Handspring as evidence. This drew us in with some light humor and was a sign of the good times to come for the audience. Michael mentioned, "People don't buy the most features, they buy the best solution."

Palm's Demonstration and Pocket PC Team Rebuttal

Michael drew some audience laughter when he joked a couple of times that in line with the presidential debates they would ignore the charges made by the other side. Unfortunately for the Palm team, it became apparent over the course of the session that this was more of a prepared presentation from Palm rather than to confront and debate many of the questions and issues brought up by the Pocket PC team.

Keith for the Pocket PC team brought out concerns of BackOffice connectivity and screen resolution. He also provided one of the biggest laughs of the session with his comment comparing the Palm solution to that of a VW automobile's small size, light weight, and innability to carry a big load.

Joe countered very well for the Palm team showing prepared slides with the theme of "Simple doesn't mean Simplistic." His example was how people only want to hit one button to get to their today information. The attendee sitting next to me commented immediately with "When I power on my Pocket PC I get the Today screen without pressing <code>any</code> button."

Palm Shortcomings Pointed Out

Greg brought out specific shortcomings of the Pocket PC such as short battery life, AvantGo being hard to implement and cost being prohibitive to the corporate environment.

Ted Clark had comments around the need for a true enterprise side solution complete with tools. He also responded to an earlier remark from the Palm team about a joke that the iPAQ with its large expansions sleeves could pull down your pants if you put it in your pocket, compared to Palm. Ted drew one of the largest laughs when he inferred that given the choice some would choose to have their pants fall down.

Palm showed several accessories with the comments that the user can choose what he wants and is not forced to buy it. The MP3 player was shown for the Handspring Visor and when someone in the audience asked "How much?" the response was that it was around U.S.\$249. Phil quickly chimed in with "Do the math! Do the math!" which drew another laugh. The audience was treated to fun jabs back and forth by both teams like this throughout the session that made it exciting and entertaining.

Wireless Demo to Connect to the Internet -- Inconclusive

During the closing remarks Michael did something for Palm that I thought was very ingenious. He planted two Palm employees in the front row with the intent to demonstrate wireless connection speed. One had a Palm VII and the other had the iPAQ. He gave them a few things to pull up live off the Internet such as stock performance and commanded them to "Go!" The Palm VII with its' quick flip of the antenna was off and running while the poor iPAQ guy was there fumbling around unable to slide the Pocket PC in its expansion pack or insert in the wireless PC Card with any ease.

I thought Michael had hit a home run with this demonstration until Phil countered with a quick wit remark along the lines of "Now, pull up COMDEX.com!" Unfortunately the signal strength wasn't strong enough in the recesses of this building to pull off the

speed comparison test. Earlier in the session Phil even pulled out a Smartphone 2002 mobile phone to try and call the Handspring with its expansion slot mobile phone that had been brought but the lack of signal prevented it.

Deciding the Winner

I asked Phil later what he thought. Overall he felt the debate was good for the industry and would like to see it happen again with maybe a demo challenge shoot out. He believes Microsoft offers a solution that meets the people's needs today and doesn't lack any of the power or functionality required for the future. Although the Pocket PC is not perfect it will continue to improve. On the other hand, Palm never responded to the questions to show what they are going to do to get better.

This was the most fun and entertaining session I have been able to attend. I think both sides presented very well and the audience was most certainly pulled in to it. Gerry asked at the very end for a show of hands to see who preferred Palm or Pocket PC. He estimated about 60 percent Palm and 40 percent Pocket PC. Then he asked who the crowd felt "won" this debate and he estimated about 70 percent Pocket PC and 30 percent Palm. I would conclude with the vote of the audience that little "David" with his Smartphone 2002 phone from his pocket slew the over-confident "Goliath" with his large Palms.

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- Using the Remote Display Control to Create Screen Shots of Your Pocket PC
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- Dale's Diary
- Team Votes for Best of COMDEX ... for the Pocket PC!
- Fall COMDEX 2000: If It's Tuesday, It Must Still Be COMDEX
- Welcome to the Las Vegas Pocket PC Fan Fest!

Here's My Order—And Don't Forget The Milk

BAR-CODE SCANNING TECHNOLOGY EASES GROCERY SHOPPING, SPEEDS COMEDY-CLUB RESERVATIONS

Bar coding, traditionally a dull, behind-the-scenes technology, is coming out of the warehouse as Safeway Inc. and the Improv Comedy Club in Dallas add wireless capabilities and high-quality printing to create unique customer applications.

Safeway supermarkets in the United Kingdom plan to expand a program that lets customers scan bar codes of the foods in their refrigerators and pick them up—all packaged and ready to go—at their local store. Also, the Improv Comedy Club said last week that it plans to use bar codes to automate reservations, ticketing, seating, and food ordering, as well as to create a customer database.

Safeway is giving British customers free Palm Pilots equipped with scanners from Symbol Technologies Inc. Each week, users can scan bar codes of products in their homes that they'd like to buy, check off the time they'll be at the store, and send the information via dial-up lines to Safeway. At the store, customers go to a reserved aisle to pick up their orders. Safeway is also considering delivering the groceries or letting customers pick up their orders at central sites, such as train stations.

About 1,000 customers at two U.K. Safeways use the Easi-Order system; six more stores will come on board after New Year's. Of those, about 600 regular customers generate 4,000 orders a month—figures that back up Safeway's claim that Easi-Order has generated customer loyalty.

"One of our main concerns was losing the incremental business of customers making impulse purchases as they walk through the aisles," says IT systems director Tony Mather. "But we actually found that people give themselves a finite amount of time to shop, and they forget things." Customer purchases actually increased by 15% to 20%, he says.

One reason for the growth may be the new database Safeway uses to push items such as dip to people who already buy chips. Customers receive a personalized shopping list each week

based on their buying patterns. Included in that list is an ideas section that lists other items they may want. Safeway also provides a loyalties sec-

tion that tracks points customers can redeem for purchases. There's also a recipes section that will soon be automated. Customers will be able to click on a specific recipe, and all the ingredients needed would automatically be added to their shopping cart.

Easi-Order runs on an OS/390 IBM mainframe hosted and maintained by IBM Global Services. The mainframe collects and mines customer data and delivers to the Palm Pilots the personalized shopping lists. Customers then can indicate the items they want, in addition to scanning bar codes.

Safeway will add more front-end options, so consumers can enter their orders in more ways. In February, it will link Easi-Order to a Web site, and it's looking to offer interactive TV access as well. IBM is exploring the feasibility of a speech-recognition system that would let Safeway customers call in orders by phone.

The Improv also is relying on bar-code technology to improve customer service. The new program is the brainchild

of Tom Castillo, owner of the Dallas Improv and an investor in two other Improv clubs. Earlier this year, he realized that the need for technology in a business focused on speed was no laughing matter. Unable to find a solution for the time-and-motion problems

inherent in seating and feeding 230 customers in 90 minutes three times every Saturday night, Castillo hired Ameranth Wireless to create one.

Ameranth's solution includes a Web site on which customers can order and pay for tickets and dinner, then print out bar-coded receipts that contain their seating and menu selections. At the club, customers bypass the box office altogether and are seated by personnel who scan the bar codes with Symbol PPT2740 pocket PCs, connected wirelessly to the LAN.

Information from online sales also downloads into a customer database that can track who shows up for Jerry Seinfeld, for example, and E-mail them the next time he's doing a show in town. "It's not just getting people in and out, but [tracking] the enormous amount of customer data of who's showing up and when," says Doug Lloyd, Symbol's hospitality business development director.

Castillo declined to disclose costs but says he expects a full return on investment within six months.

The Improv bar-code system will be available to clubs in Hollywood,

Dallas, and Irvine, Texas, by year's end. Copeland Industries, the majority investor in the Improv chain, also will install the system in 12 Improvs currently open and another dozen that are scheduled to be built within four years.—CHERYL ROSEN

Old Technology With New Uses

Two very different kinds of companies are relying on bar-code technology in combination with wireless and printing technologies to provide better customer service:

Improv Comedy Club

- Problem: Processing, seating, and feeding 230 people in less than 90 minutes, three times every Saturday night
- Solution: Customers order and pay for dinner and a show on the Web site, print bar-coded tickets at home, and bypass the Improv box office; workers use a wireless device to scan tickets at their seats

Safeway

- Problem: Providing an easier way for customers to shop that builds loyalty and increases sales
- Solution: Customers use handheld devices to scan bar codes on groceries in their homes, transmit orders, then pick groceries up at the store; also provides personalized shopping lists and offers

More on bar coding and wireless: informationweek.com/812/improv.htm



FOR IMMEDIATE RELEASE

Contact: Laura Smith 888-AMERANTH

Ameranth WirelessTM Introduces the 21st Century HotelTM Room Inspection System to Starwood Hotels & Resorts Worldwide, Inc.

Waltham, Massachusetts, January 28, 2001--Ameranth Wireless™ is demonstrating its 21st Century Hotel™ Room Inspection System at the Starwood Housekeeping Conferences for Westin and W Hotels. The conferences, which are scheduled to take place on January 28th, February 1st, and February 8th in Waltham, MA, Cincinnati, OH, and Los Angeles, CA respectively, will give hotel operators the first opportunity to purchase and view the room inspection system that Ameranth® has developed.

Ameranth's 21st Century Hotel Room Inspection System was developed according to Starwood's specifications for a housekeeping inspection survey program. The software, which runs on Microsoft® Windows® powered Pocket PC handheld computers, allows room inspectors to follow a prefabricated survey that leads them through all the necessary items to check. The data is then downloaded to Ameranth back office software, which compiles and offers reports based upon inspector, housekeeper, or other cleanliness issues.

"The Room Inspection System is the first step towards Ameranth's vision for the 21st Century Hotel," says WJ Kitchen, CEO and Chairman of Ameranth Wireless. "Ameranth Wireless expects handheld software to improve a variety of hotel operations in the future...everything from room inspection surveys, to wireless ordering in the restaurants, to wireless check in and check out modules."

"Starwood is very excited to be able to offer Ameranth's software to our hotels in North America," said Tina Edmundson, Vice President, Rooms, Starwood Hotels and Resorts Worldwide. "The handheld room inspection system will help us to ensure that our guests receive the quality and service that they have come to expect from the Starwood name."

Ameranth's strategic partner, Symbol Technologies will supply their Microsoft® Windows® powered Pocket PC terminals for those Starwood Hotels requiring rugged computers.

About Ameranth

AMERANTH Technology Systems, Inc. (http://www.ameranth.com) is a leading provider of wireless system software to the hospitality industry. The Company's software applications, which run on PocketPC wireless handheld computers, communicate with legacy back office systems over wireless LANs-moving the point of activity from fixed terminals to where it belongs-by the customer's side. Ameranth's 21st Century Restaurant system is set to become the industry standard for wireless ordering and payment processing in restaurants.

About Starwood Starwood Starwood Hotels & Resorts Worldwide Inc. (NYSE:HOT) is one of the leading hotel and leisure companies in the world with more than 725 properties in 80 countries and 120,000 employees at its owned and managed properties. With internationally renowned brands, Starwood is a fully integrated owner, operator and franchiser of hotels and resorts including: St. Regis, The Luxury Collection, Sheraton, Westin, Four Points by Sheraton and W brands, as well as Starwood Vacation Ownership Inc., one of the premier developers and operators of high quality vacation interval ownership resorts.

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For additional information you may e-mail info@ameranth.com

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FOR IMMEDIATE RELEASE

Contact: Laura Smith 888-AMERANTH

 ${\bf Ameranth~Wireless^{TM}~awarded~Computerworld~Honors~21st~Century~Achievement}\\ {\bf Laureate~Medal}$

San Francisco, C.A. April 16, 2001--- Ameranth Wireless became part of the Computerworld Honors Archive on Information Technology for its innovative work on the Improv Comedy Club Solution.

"The Computerworld Honors are presented on an annual basis to men and women around the world who have achieved outstanding progress for society through visionary use of information technology" said Patrick J. McGovern, Chairman of the Computerworld Honors Chairmen's Committee and the Founder of International Data Group.

Nominated by William H. Gates: Chairman of Microsoft Corporation, in the Media Arts & Entertainment category, Ameranth Wireless's work is now part of a collection that includes over 300 of the year's most innovative applications of technology and will be housed in the archival institutions of the Academic Council across the world.

Utilizing Ameranth's software, Improv patrons can not only book their tables online, they can also enter their meal orders, dramatically improving service in an environment where patrons all arrive at the same time for a show.

"Each year, The Computerworld Honors Program identifies and honors men and women from around the world whose visionary use of Information Technology produces and promotes positive social, economic and educational change," said Alan Guibord, President, Computerworld. "The innovators represented in this Collection are true revolutionaries in their industry and have been recognized by the leading chairmen of the industry as such".

"The Class of 2001 continues an outstanding tradition of IT innovation in which service to real people doing important work in the real world takes precedence over anything else," according to Dan Morrow, Executive Director. "The 2001 Laureates are a source of pride and inspiration."

"We are honored to be included with such a prestigious class of innovators and IT creators," said WJ Kitchen, Chairman and CEO of Ameranth Wireless. "We believe Ameranth's software positively affects the lives and jobs of hospitality and foodservice employees, increasing their efficiency while decreasing their workloads. This means improvements in customer service as well as bottomline profits."

Case studies from the 2001 Computerworld Honors Collection will be available at http://www.cwheroes.org, the official internet site of the Computerworld Honors Program, where the entire Collection is available to scholars, researchers and the general public worldwide.

Each year, the Computerworld Honors Chairmen's Committee nominates organizations who are using information technology to improve society for inclusion in the Computerworld Honors online Archive and the Collections of the Academic Council. The Academic Council represents the forty plus countries with case studies in the Collection. Founded in 1988/89, the Computerworld Honors Program searches for and recognizes individuals who have demonstrated vision and leadership as they strive to use information technology in innovative ways across ten categories: Business and Related Services; Education and Academia; Environment, Energy and Agriculture; Finance, Insurance and Real Estate; Government and Non-Profit Organizations; Manufacturing; Media, Arts and Entertainment; Medicine; Science; and Transportation. For further information please contact: Simone Ross Computerworld Honors Program 617.357.1977.

About Ameranth®

AMERANTH WIRELESS, INC. (http://www.ameranth.com) is a leading provider of wireless system software to the hospitality industry. The Company's software applications, which run on PocketPC wireless handheld computers, communicate with legacy back office systems over wireless LANs—moving the point of activity from fixed terminals to where it belongs—by the customer's side. Ameranth's 21st Century Restaurant® system is set to become the industry standard for wireless ordering and payment processing in restaurants.

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Honoring those who use Information Technology to Benefit Society A Computerworld Honors Program

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Serial Number: 2001473

San Diego, CA 92130 USA

July 5, 2001

Dear Ms. Smith,

Please accept this record of the 2001 Computerworld Honors Program and Collection with my personal thanks and sincere congratulations.

The Case Study of your exceptional use of information technology —Ameranth Wireless's Improv Comedy Club Solution-has been included in the Computerworld Honors Online Archive as an example of the revolutionary change you have created at the commencement of a new century. It is now available to researchers, scholars, and the public, at www.cwheroes.org. We are grateful to you for sharing your story for future generations.

For the past 13 years the Program has worked to help document, preserve, and disseminate some of the most important and interesting stories of the informationtechnology revolution. In pursuit of this goal, we would also like to present a copy of your case study to another museum, research institute, or library of your choice. If there is a particular one that you would like to see your case study presented to, please e-mail complete contact information to Michael Cooper, our Director of Research and Scholarship, at mcooper@cwheroes.org by August 31, 2001.

We would also be most grateful if you would share with us any media coverage garnered by your achievement and recognition. In return, we promise to make certain we send you any coverage of your achievement which crosses our desks.

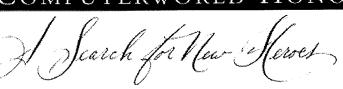
I hope we will have the opportunity in the future to connect you with your peers from the Collection to share your creativity, insights, and vision. In the mean time, if I may be of any assistance to you, please do not hesitate to contact me, and if you have ideas about how we might improve our services to nominees and Laureates, I would appreciate your recommendations.

Once again, congratulations and thank you.

Daniel S. Morrow Executive Director

Enclosure







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GENERAL INFORMATION

Ameranth Wireless

Ameranth Wireless's Improv Comedy Club Solution Carmel, Ny USA

Year: 2001 Status: Laureate

Category: Media Arts & Entertainment Nominating Company: Microsoft Corporation

SUMMARY

LONG SUMMARY

The Improv solution integrates Ameranth's software for Windows CE 3.0 wireless handheld computers, Windows NT Server, and SQL 7.0 Server with Ameranth's 21st Century Communications middleware and a Symbol 802.11 FH Wireless LAN. The solution, based on Ameranth's 21st Century Restaurant vision, provides Internet ticketing and payment processing, traffic school reservations, food ordering, phone-based ticketing and payment processing, and wireless handheld ticket authorization and seating assignments. By integrating the Web, the Wired, and the Wireless, the Improv Comedy Clubs are able to take full advantage of the benefits of cutting edge technology.

Immediate improvements in efficiency and speed of service have increased revenue and dramatically enhanced the customer experience at the Dallas Improv. A new interactive Web site allows customers to pre-order and pre-pay for food and tickets for faster service at the theater since staff can quickly process their reservations and assign tables using a wireless handheld computer. When the customers arrive for the show, the kitchen has already prepped their food and it comes to the table on time.

The Ameranth

Advantage

Tom Castillo, owner of the Improv Comedy Clubs, first came across Ameranth in Chicago at the National Restaurant Association's annual tradeshow. At that point he told Ameranth that, "the Improv needs to move its systems into 21st Century technology," and he was "won over by the company's demonstration." Looking for a total solution, Castillo was particularly impressed with the fact that Ameranth could develop and install the entire Web, PC, and wireless system—something no other company could match. Because Castillo was basically starting from scratch, this provided a great advantage.

"At the time, the Improv was a very low-tech and inefficient operation, where phone-based reservations were noted with pencil and paper and the table management was done with a grease pencil and a laminated seating chart," Castillo recalls. The company did have a Macintosh for accounting and running an antiquated POS system, as well as a promotional Web site with no interactive capabilities. And there was no database housing customer information.

Castillo

immediately saw Ameranth as a way to increase sales by ramping up the company's efficiency and speed of service throughout the entire customer cycle and e-commerce enabled the Web site. The solution would also provide a way to create a customer database. "Using Ameranth's 21st Century Restaurant, I believe the Improv will be able to increase sales and increase both the efficiency and speed of service," he says. "We are predicting costs will be recovered within a year."

Ameranth's

core technology is the 21st Century Communications™ middleware, which routes data, regardless of programming language, across a variety of platforms, facilitating the data synchronization required for integrating different systems, included Web-based, Wireless LAN and PC-based client/server systems. The Improv solution integrates Ameranth's software for Windows CE wireless handheld computers, Microsoft back office servers, and an interactive web site with Ameranth's 21st Century Communications middleware over an 802.11 FH Wireless LAN. This total solution provides Internet ticketing and payment processing, traffic school reservation and food ordering, phone-based ticketing and payment processing with instant database input, and wireless handheld ticket authorization and seating assignments. A new self-service Web site enables customers to pre-order and pre-pay for tickets and food.

Show Biz. Benefits

The best seat in the

house is where everyone likes to sit, but it's not the only thing that contributes to a great evening out. Patrons at the Dallas Improv benefit from the Ameranth solution from the moment they pick up the phone, or log on to the Web site to book their tickets. Over the phone, the Ameranth desktop ticketing/reservations software enables staff to process orders more efficiently with automated table seating assignments. Now that agents can also enter customer information directly into the SQL Server database, and management can track sales, implement a frequent customer program and produce mass e-mails.

Both on-line

and phone orders are the first step in speeding up table management at the theater. Using wireless computers and the Symbol Spectrum 24 Wireless LAN Access Point, staff can wirelessly process each customer either through scanning the bar code on tickets they printed out when purchasing online, or by inputting the authorization code they received over the phone. Using the handheld computer to access the database, table assignments are quickly and efficiently given to customers. Internet-ordered food expedites the wait staff's job as orders can be started upon the customer's arrival, leaving them more time to sell revenue-generating drinks and desserts. Theater management also benefits from the use of Ameranth's 21st Century Database Wizard for updating the Web site prices, menus show listing and comedian bios and photos – without any knowledge of HTML.

"Thanks to the

database system, we now know who our customers are. Thanks to the wireless integration, the ticketing system, and the Web site, we now have a few minutes to get to know our customers"
-Tom Castillo, Owner

BENEFITS

The Improv project has helped customers receive better service, has helped the Improv managers to run their clubs more efficiently, and has helped club staff members to better handle the busy periods of the night. The Improv Comedy Clubs differ from restaurants in that all their customers arrive and place food orders at the same time. This places a huge burden on the club's staff. Now, reservations and food orders can be placed online, allowing the kitchen to prepare the food in advance. Ticketing is automated and done faster at the door with a handheld computer, and the manager is able to change menu items or show schedules and arrange seating intuitive back office software, which communicates with the Web site and the handhelds computers in real

We believe that the Improv system has significantly increased efficiency and improved the customer experience. At each stage of the customer's evening, from planning what show to see, to making reservations, to buying and presenting tickets, to ordering drinks and food, the process has become automated and less susceptible to errors. In addition, service is faster and the burden placed upon

employees is lessened.

Let's walk through a typical experience using the Ameranth system:

1) Planning the

evening: Previously, customers logged on to the Improv Web site to find outdated information and no method for making reservations. With Ameranth's integrated system in place, customers can not only see current scheduling (as it is integrated with the manager's own scheduler,) but they can also make online reservations, print tickets, and even pre-order and pay for their meal.

2) Arriving at the Improv: The

on a long line despite having purchased a ticket in advance. Now, thanks to Ameranth's software and the Symbol PPT 2740 handheld computer, attendants at the door can either scan customers' tickets or look up their reservation by name or code number and present the customer with their seating assignment. This efficient way of accessing the database gets people to their tables faster and "busts the line" at the front door.

3) Placing an order: With the whole restaurant sitting down to eat at one time, competition for a server's attention could be fierce. Savvy customers have already ordered their meal online and have gotten their order into the kitchen before others have even opened their menus.

From the owner's point of view, by increasing the efficiency of club operations, he is able to 1) decrease labor needs, 2) improve customer service, and 3) keep track of valuable customer data.

The Improv project helped seed Ameranth's new product, the 21st Century Restaurant®. The 21st Century Restaurant product integrates legacy point-of-sale systems in restaurants with wireless handheld software. This system, which will roll out in March 2001, will give restaurants the ability to use handhelds for tableside ordering and payment processing. This will revolutionize the way that data is recorded and communicated within restaurants. Typically, restaurant staff has to record each order twice—once at the table on paper, and then again at the computer touch screen terminal. This inefficiency leads to inputting errors (resulting in unhappy customers,) an unnecessarily long delay before the order reaches the kitchen, and a poor allocation of labor resources (servers should be on the restaurant floor, not standing in front of a computer.) Ameranth believes that wireless ordering and payment processing will be an inevitable improvement in restaurants across the world.

IMPORTANCE

As new technology continues to be developed, integration becomes an ever-growing concern. The Improv owner, Tom Castillo, had looked around for a company that could provide his clubs with online ticketing, reservations, and food ordering is such a way that the Web site would actually interact with his back office software. Furthermore, he wanted to incorporate some of the new handheld technology into the system. Ameranth was the only company that could accomplish such reasonable goals.

The integration of Web/Wireless/and Wired is a natural evolution of technology, which Ameranth has brought into the workplace. The Improv project is just the beginning...with the 21st Century Restaurant system, wireless, wired and Web integration will become accessible to virtually every restaurant in the nation.

The

technology behind the Improv's innovative ticketing solution is a combination of e-commerce Web design, back office database management, and a wireless interface to the databased information. The project is unique in its ability to route and synchronize data across the three platforms—from the Web site (running on Microsoft Distributed interNetwork Architecture) to the Windows CE handhelds to the back office server (Microsoft Windows NT Server or Microsoft SQL Server 7.0.)

ORIGINALITY

As stated above, Ameranth's Improv project is unique in its ability to route and synchronize data across the three Web/Wireless/Wired platforms—from the web site (running on Microsoft Distributed interNetwork Architecture) to the Windows CE handhelds to the back office server (Microsoft Windows NT Server or Microsoft SQL Server 7.0.) This is the only application of its kind.

The Improv project continues to evolve into Ameranth's vision of the 21st Century Restaurant. Ameranth now offers wireless ordering and payment processing through the wireless handheld computers. This system interfaces with a restaurant's legacy point-of-sale system, and is set for full-scale rollout in March 2001.

SUCCESS

Tom Castillo, owner and manager of the Dallas Improv Comedy Club, described the club's old way of doing business. "The Improv was a very low-tech and inefficient operation, where phone-based reservations were noted with pencil and paper and the table management was done with a grease pencil and a laminated seating chart." There was a promotional Web site, with no interactive capabilities. There was no database housing customer information, and the long lines at the door were indicative of the inefficiencies behind the greeting station.

"Using Ameranth's 21st Century Restaurant, I believe the Improv will be able to increase sales and increase both the efficiency and speed of service," he goes on to say. "We are predicting costs will be recovered within a year." The value of this integrated system goes beyond simply improving customer service. With orders placed ahead of time, the Improv is able to increase the capacity of the kitchen. Internet reservations provide access to a whole new customer market, and the increased knowledge of the Improv's customer base lets manager Castillo target his events and promotions.

"Thanks to the database system, we now know who our customers are. Thanks to the wireless integration, the ticketing system, and the Web site, we now have a few minutes to get to know our customers."

-Tom Castillo,
Manager/Owner

DIFFICULTY

Working with emerging technologies always provides its share of difficulties. As the hardware and operating systems developed, not only did Ameranth have to keep up with the changes, but also we were placed in a position of testing, not only our software, but outside hardware as well. Plus, the system is dependant upon this emerging hardware, which places many of the difficulties outside of Ameranth's realm of control. This, in itself can be extremely frustrating. Luckily, Ameranth's strong partnerships and the excellent quality of the technology used, reduced these difficulties to a minimum.

The Wireless Waiter: A Tasty Gadget Spreads

ESTAURATEUR JIMMY LU fell in love with the wireless handheld gadgets waiters were using when he first saw them while on vacation in Paris several years Staff Reporter of The Wall, Streen Journal

tems, or POS, back in the kitchen, waiters used the gadgets to record orders and Rather than spending a lot of time enering orders into the point-of-sale systhen were free to schmooze with patrons, providing them with better service and one hopes, earning bigger tips.

That someone turned out to be Keith Mc-The owner of an Asian bistro in Dallas that bears his name, Mr. Lu set out to find someone who made the device in the U.S.

Mr. Lu bumped into the founder and senior vice president of Ameranth Wireless Inc. at a technology-industry conference in Dallas two years ago and immediately volunteered his restaurant as a test site for a new device.

enabling them to plug in orders that are then instantaneously fired off to, and his classic pen and notepad for a wireless nand-held device. The software connects rant, which allows a waiter to exchange waiters to wireless hand-held terminals, Ameranth has developed wireless handheld software called 21st Century Restaupicked up in, the kitchen.

in annual maintenance fees.

Symbol Technologies Inc.; and Microsoft's lnc., a venture-capital firm, San Diegobased Ameranth has partnered with POS companies Allohah Technologies Inc. and InfoGenesis Inc.; wireless-device maker Pocket PC, a mobile operating system that With multimillion-dollar funding from Microsoft Corp. and Springboard Capital provides the hand-held gadget.

have to run back and forth between tables and the kitchen, at least to order food. The hand-held typically saves steps, shaving

In simplest terms: Waiters no longer

military's cutting-edge technology to ev-

eryday problems like shortening the wait

for a restaurant table.

West Point graduate wanted to bring the

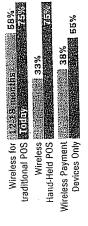
lar technology, 21st Century Restaurant works with existing POS systems. Since ts debut last year, the system is now be-Unlike other companies developing sim-

Serving Un Wireless

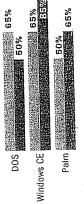
Suppliers to restaurants believe that the use of wireless technology tied to point-of-sale systems (POS) will continue to grow in that sector.

Forecast of annual shipments of wireless

When will you support wireless for POS?



Which operating system will you support for hand-held POS?



Note: May 2001 survey of 25 POS suppliers

hand-held POS units to restaurants 9 30 120 90

Source; IHL Consulting Group; Retail Systems Reseller

based CynterCon Technology Advisors nc., a consulting and publishing company ly work with any POS system, making it more desirable. Their competitors can only integrate their hand-helds with their own POS system," says Rob Grimes, chairman and chief executive of Maryland-"Other hand-helds aren't as flexible. Ameranth has adapted technology to easspecializing in food-service technology. Force in the 1980s and early 1990s. The will officially roll out next month at \$2,000 Mr. McNally got the idea for Ameranth after developing wireless computers for the U.S. Army, Marine Corps and the Air ing tested in 10 restaurants in cities ranging from Boston to San Diego. The product for each gadget and supporting software, and cost restaurants another \$200 to \$250

seated. The software also allows restau-Ameranth has a patent pending on Its echnology. One of its features, Advance Ordering, allows waiters to order drinks and appetizers or get meals cooking before patrons waiting for a table are rants to e-mail regular customers with special announcements or on special dates.

swipes a credit card on the stripe meter of ports. Patrons sign their name, and the When paying the bill, the server the hand-held gadget that prints out a receipt, like car-rental return stations at air-

> Even though hand-helds have caught on in European restaurants, the technol-

behind Ameranth's solution.

off about 10 minutes at each table.

also send a message to retrieve a patron's car from valet parking.

to," said Mr. McNally, who notes that even down every slice of tomato if they want store and update multiple menus on the hand-held. For instance, a lunch menu will change to a "Happy Hour" menu at exactly 5 p.m. "Restaurants can track small increase in sales can increase a The system also allows a restaurant to restaurant's profits.

anth and its competitors is the company's decision to partner with existing POS comas the only product on the shelves that panies. Closely held Ameranth claims it But the key difference between Arner talks to all major POS systems.

the same name. He is hoping Ameranth's explains Mr. McNally, who is no relation to "We've come up with a technical soluthe prominent New York restaurateur with system will become the industry standard. tion that works with virtually everyone,

longer need custom development," said taken off as quickly in the U.S. because em was proprietary. What has changed is that prices have come down and you no nooked up with POS systems, handheld devices are on the brink of taking off, in-With 80% of restaurants in the U.S. dustry analysts say. "Hand-helds haven't he earlier versions were very expensive, and the software running on the POS sys-

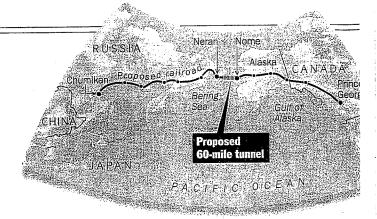
pletely free of upkeep. The battery has to be recharged for an hour after five hours switch back to pen and paper on a couple The hand-held devices aren't comof use. And glitches do occur. At Big Jim's. a Dallas restaurant now testing the sys-

then to the kitchen," says Mike Benner, a But even they say the gadget makes their jobs much easier. "There are no order mistakes with the hand-held. You plug in the order at the table and it's sent right waiter at Big Jim's. "It frees my mind up.

of occasions.

g o a **Briefing**

BY DESA PHILADELPHIA



THE WIRELESS WAITRESS



A U.S.-Russia Rail Link?

In some European restaurants, waiters have abandoned their pencils and pads for handheld devices on which they message orders directly to the bar and the kitchen. Initially, the system didn't transfer well to the U.S. Most restaurants here offer many more choices, and prices change more often. San Diego software company Ameranth Technology may have solved the problem. Its wireless system allows communication between handhelds and fixed computers, so menus are instantly updated. Waiters can also process credit-card payments and print receipts right at the table—and even signal valet parking to fetch your car when you're ready to leave. Ameranth says the technology can be adapted to any service industry. It is launching a system to help hospitals dispense medicine.

Business and political leaders in the U.S., Canada and Russia are mulling a plan to build a railroad tunnel beneath the Bering Strait. A rail link, they say, could carry 30 billion tons of cargo a year and cut shipping time from Los Angeles to Vladivostok as much as two weeks. It's an attainable feat: the strait is only 60 miles wide at its narrowest point (twice as wide as the English Channel Tunnel, which took seven years and \$15 billion to construct). But to make the Bering tunnel accessible on the North American side, connecting lines would have to be laid from the strait to Fairbanks, Alaska (about 750 miles of track), and then to British Columbia, Canada (an additional 900 miles). On the Russian side, at least 2,000 miles of track would have to be connected. All that track could cost as much as \$60 billion.

>> From Our Readers: A CEO Responds



testers" (Aug. 13) focuses on the pluses of corporations seeking accommodation with protest groups but neglects the minuses. Many radical protest groups don't want accommodation. They are driven by intense hatred of corporations, free enterprise and technology, and by a need to keep collecting money from corporations to fund more protests. Corporations should reject the idea of surrender to these extremists. Instead, they should tell the world some basic truths. Free enterprise and trade help millions get jobs. Animal research saves human lives. Chemicals eradicate pests that spread diseases. Biotechnology increases crop yields and prevents starvation.

—By Nick Nichols, Nichols-Dezenhall

DAILY LOCAL NEWS

Wednesday, Dec. 12, 2001

SOOI SIED TO TENES SESTIONS

By SARAH E. MORAN Staff Writer

or waiters and waitresses to toss out nifty rainstorm when he invented a way heir pads and pens in favor of hand Keith McNally had a neld ordering devices.

McNally's new integrated system uses nand-held wireless ordering gadgets from Symbol Technologies that Called 21st Century Restaurant resemble Palm Pilots. olug in orders on the hand-held ceypad, which immediately transmit to erminals through existing point-ofsale equipment to kitchen and bar

namburger with provolone or Bombay expect for that medium-rare No muss, no fuss -- and certainly less of a wait than what patrons have come martini, shaken not stirred.

Americans are always in a hurry, hey go out to eat.

able, which translates into more table an industry whose profits are often ordering and retrieving time from each estimates that the cechnology shaves 10 minutes of turns and potentially, more profits for razor-thin. McNally

Eighty percent of U.S. restaurants so the fit of existing technology with already use some type of POS system, special software and hand-held devices

popular Irish bar and restaurant, will Capital a venture capital firm be the first Philadelphia area spot to A U.S. patent is pending for the est the new technology. is an aptione.

Donovan said that the system will service at his restaurant, often packed allow for more efficient food and drink at night with a lively singles crowd.

units and their supporting software Then runners bring and more "Waiters can be on the floor the whole time, taking orders and plugging fom the bar and them in," said Dönovan, who will invest \$2,000 each in two hand-held early next month. "" ood and drink kitchen müch efficiently."

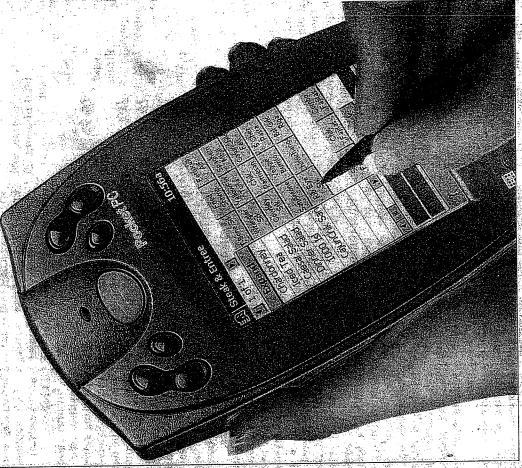
With a stylus, restaurant employees. Donovan expects that the system will allow him to hire fewer wait staff and keep better track of orders.

rental companies have used for several Another advantage: On the spot, the the gadget's stripe meter and print out an instant receipt, much like the express checkout service that carserver can swipe a credit card along years at airports.

The gadget can also be programmed nowhere more vociferously than when " to send a message that a customer's car should be rethieved from valet

Center City spots as Buddakan, Tangerine, Pod, Alma de Cuba and the Advanced Hospitality Starr, who owns such fabled upscale new Morimoto, is interested in the distributor of the point of sale systems Philadelphia restaurateur Stephen new technology, said Stephen Passas, Systems of Voorhees, N.J., a regional that Ameranth uses president of

an aptione. Center City's The Plow & the Stars, a owner of Ameranth, as is Springboard



From Page B9)

One phrase in particular stuck out: "tragedy in the classical sense of the word." Wyatt ran the string of words engine and instantly found an through an Internet search article on the topic that used the same phrase.

it took me a total of about 20 "I'm new to the Internet, and minutes," he said.

your own ideas." your own words than writing in It's a lot easier or thinking of the student began to explain what Ultimately, the roommate for phrase admitted student student When meant, talking circles. asking which some asked

downloading part of the paper The student ended off the Internet. ncluded

have the professor give him a dropping the class rather than forgrade failing

While the Internet makes plagiarism easier, there's more to the issue of plagiarism than ease of access to information. assignment.

"The Internet is not the professor at Bowling Green academic honesty committee member. "The Internet isn't economics problem," said Dr. Neil State University in Ohio and an Browne,

Part of the issue involves the award wrote anna nrofacenre doing the plagiarizing."

For example, many sites Which of Mark Twain's novels large amounts of Mark Twain, Browne said. seems most relevant to the Bush-Gore conflict?' What are they going to find on the information on the writings of "But suppose I was to say, Internet?"

Another thing professors can do is assign frequent writing exercises so they get to know their students' writing styles, said Becky Bolander, assistant director of the UT

many writing center. education nigher said, t's tempting.

base in paper about without a firm and students, she themselves in without a good writing idea

constitutes plagiarism.

University of Toledo

- CANDICE HOLONA,

freshman

some students What concerns some experts naive," Bolander said. "I don't think it's explained very well in high really are really, school."

students - about 20 percent hoisting entire papers or large college students who have been using the Internet since A study in progress by is the next generation of McCabe appears to show very high levels of Internet-assisted plagiarism by high school elementary school.

are coing to graduate into "My concern is those kids Internet and about 50 percent stealing smaller snippets.

parts of them from the

(From Page B9)

year-old McNally expects it to Ameranth technology; the 47be issued by year-end.

Hospitality's Passas described Ameranth as systems needed to make the the "integrator of the various technology work." Advanced

Less sophisticated systems are already up and running in

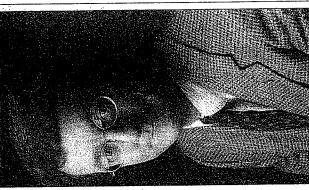
and POS companies Aloha operating system, participants the Pocket PC include Symbol Technologies, maker of the hand-held device, Besides Microsoft, which InfoGenesis Inc. | Technologies provides

per gadget total \$250. And the Annual maintenance fees hand-held's battery must be charged an hour for every five hours of use.

Red Lobster, wants to give the Schlotski's, a chain of 800 quick-serve restaurants, is also which owns Olive Garden and Ameranth system a try. And Darden Restaurants Inc., interested, McNally said.

the filet mignon au poivre without ever fouching pen to wouldn't be apropos is at the likes of Center City's Le Bec Fin, where waiters pride themselves on remembering the quenelles de saumon or whether a customer ordered The only type of eatery where the system probably

running at restaurants in the Dallas, where the Mavericks and Stars play, as well as at Dallas and a handful of other The system is already up and American Airlines Center in Jimmy Lu's and Big Jim's in



KEITH MCNALLY

McNally, who said he always nad an entrepreneurial bent, started Ameranth five years ago after working for Litton the U.S. Industries and military.

McNally developed wireless computers for the U.S. Army, Marine Corps and the Air Force in the late 1980s and A graduate of West Point, early 1990s.

computerized device that bomber, eliminating the need to cart around hundreds of One of his inventions: A maintenance instructions for the B-2 thousands of pages. stores

Ameranth technology could dosages straight. Hospitals in New Orleans and St. Louis are already testing the system, also be used in hospitals to help nurses keep drugs and the road, Down

an endangel Video casset

By MARK WOLF Scripps Howard News Service

Mike Vester doesn't have to look far to see the future of home video.

around Theater Video, the movies, are on display, the All it takes is a glance VHS cassettes, mainly of new place is packed with more Colo. While a few hundred rental store he owns in Denver than 3,000 DVDs.

"A year from now I doubt if I'll have any VHS," said Vester, who opened the store in 1997.

Blockbuster are increasingly rentals, neighborhood stores as tilting their inventory away from As DVD claims an increasing share of home video sales and tapes and toward shiny discs. chains such as

he opened. Rather than try to then moved to DVDs when the Vester got ahead of the DVD curve because three other compete head-on, he stocked a video stores were nearby when large inventory of laser discs, laser market died.

Today, his store has a deep DVD inventory that includes foreign films and older movies. not only the newest titles but And the other three video stores are gone.

my customers won't take a "If I'm out of a title on DVD, tape. They'll wait," he said.

commentaries by directors and actors, Vester said most of Although many DVDs offer an array of special features, documentaries his customers are drawn films including

DATE: May 16, 2005

SUBJECT: Memorandum for Record

Keith McNally and I met in 1998. In December 1998, I was appointed as CEO of Wireless Knowledge - a new, joint venture between Qualcomm and Microsoft to pursue the emerging synergy between cell phone technology and mobile/fixed software applications. Previously, I had been the EVP of Qualcomm.

Keith and I met for lunch at the Inn of Rancho Santa Fe, California in January, 1999 to privately discuss his company, Ameranth Wireless and possible synergy with Wireless Knowledge and to seek my support in his links with Microsoft. Keith had already initiated the discussions with Microsoft - which would lead to Microsoft making a strategic investment in Ameranth a year later. Ameranth's primary focus was the Hospitality Market- defined as restaurants, hotels, casinos etc.

Keith presented the attached "21St Century Communications Chart" to me and discussed how the WAN links (as shown in the diagram) e.g. the cell phones would ultimately be linked in to all of the hospitality systems and how he saw that Ameranth's plans to synchronize the data between these various media, protocols, nodes etc would ultimately provide a new, totally synchronized solution for the marketplace-

Signed:

John Major

DATE: March 29, 2008

SUBJECT: MEMORANDUM FOR RECORD:

In 1998, I was appointed as the Director of Hospitality/Gaming for Symbol Technologies. Inc. of Holtsville, NY. At that time, Symbol had historically focused on other markets e.g. Retail/Warehouses etc, but was seeking to expand into new markets. This new market thrust led to my appointment to this new position for Symbol. At this time, Symbol was the world leader in rugged and wireless computing and it was developing two new mobile, handheld computers, (one for the Palm OS and the others for Microsoft's Windows CE OS). These were 'unannounced' products at that time.

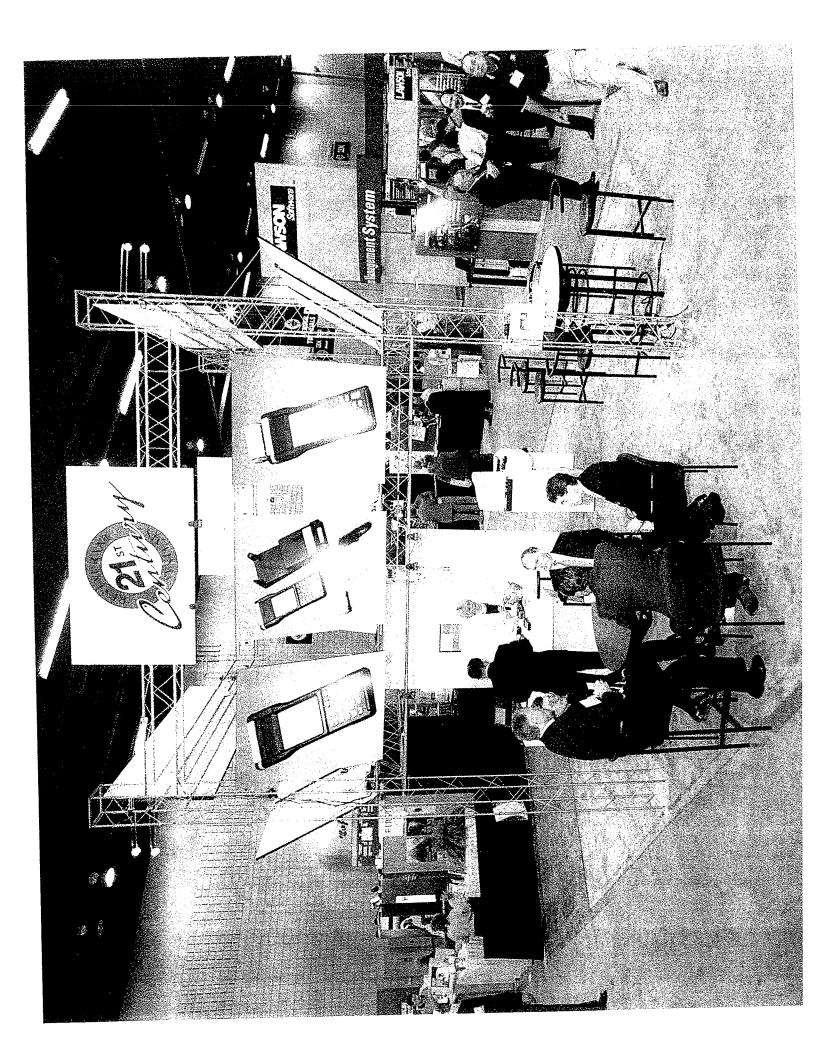
As I began to study the Hospitality/Gaming market and assess the opportunities, it became clear to me that Symbol needed a systems integrator and partner - to enable its new family of handheld products to be easily and seamless integrated with the Point of Sale (POS) and other hospitality market companies that I knew we would need to partner with for actual distribution into these markets. I was uncertain as to exactly what the solution would be and whom the partner would be, yet I did appreciate that I needed a solution that would overcome the limitations of interfacing such systems, then presently available in 1998. I decided to attend the November 1998 Food Service and Technology Show (FSTEC) and seek a potential strategic software partner there. Not only did I find one in Ameranth, but they were even more than I had hoped for, since they had just developed an innovative new solution - that they called their 21St Century Restaurant 'software wizard' - which had the capability to interface existing 'point of sale' (POS) systems (with their intensive graphical user interfaces and complex databases) to the mobile wireless devices that we were preparing to introduce to the market in 1999. This breakthrough Ameranth innovation solved a previously major hurdle as to how the hospitality 'point of sale' and property management system' (PMS) system user interfaces could easily be ported and transferred to wireless devices. Without this new solution, the 'barriers to entry' would have remained enormous and prohibitive to allow wireless devices to move from 'niche areas' of the market - to the mainstream. I saw Ameranth in the booth (as shown in the attached photo/figure) and I was briefed and shown Ameranth's 21St Century Restaurant system and 'wizard' interface technology -(as shown in the attached system graphic) - by Keith McNally and Kathie Sanders of Ameranth (both shown in this photo). I expressed great interest to Keith at this FSTEC show in my intentions for Symbol to partner with Ameranth and I advised him that I would be in touch the following month with proposed next steps.

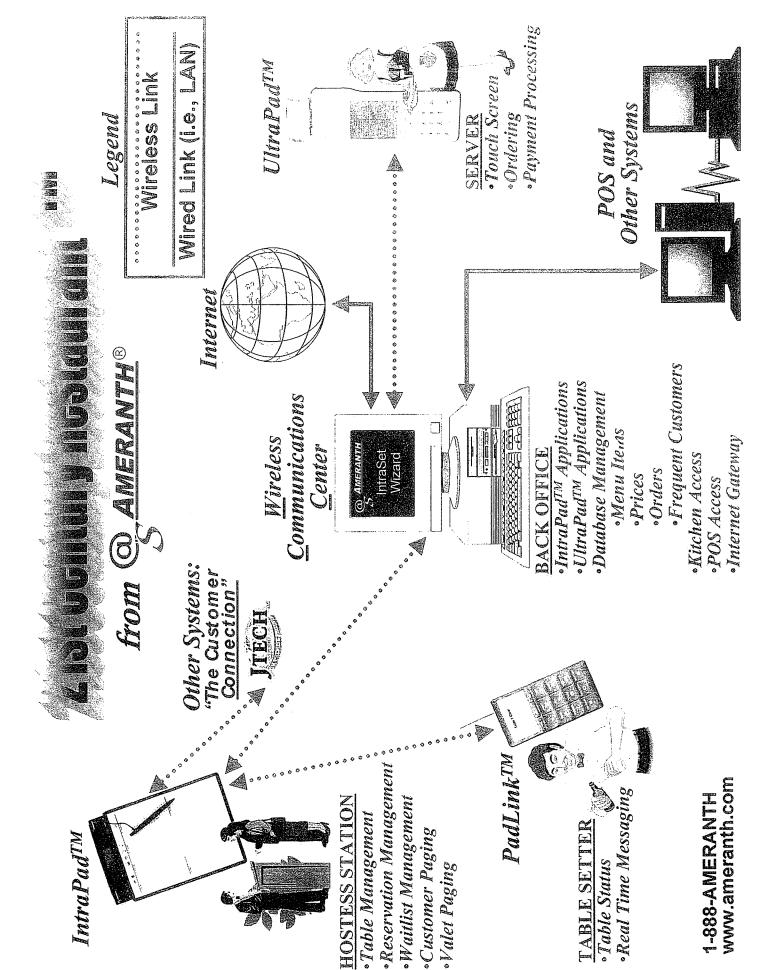
Subsequent to this technology show and meeting, I contacted Ameranth by phone during November and December 1998 and then I followed this up with a series of written correspondence as are attached – dated December 30, 1998, January 15, 1999 and January 16, 1999. This then led to meetings between Keith and the senior management of Symbol at our office in Holtsville, NY in January 1999 - which led to the signing of a long term strategic alliance agreement (attached). In this agreement dated February 3, 1999, on page 4, (para 2e) the exceptional importance of Ameranth's innovative software 'wizard' technology was duly noted.

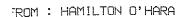
Subsequent to the signing of the February 1999 alliance agreement , Ameranth did, in fact (with Symbol's support) introduce its breakthrough software wizard technology on Symbol's Windows CE devices, (integrated with/to numerous leading POS systems/companies) and Ameranth was arguably recognized as the overall most innovative company/technology at the May 1999 NRA show in Chicago with hundreds of customers coming to its booth, which I personally attended as well as the Fall 1999 Gaming and FSTEC shows. In addition to this, Keith McNally and I introduced the 21St Century Restaurant system at the October 1999 European Restaurant Show in London and Ameranth's 21St Century Restaurant was awarded the 'Innovation of the Year' award for the entire European Hospitality Technology market. Ameranth was selected from first ahead of hundreds of different technology companies and this special and prestigious award further validated the uniqueness of Ameranth's technology and its innovative vision.

Symbol then followed this up with a strategic, multi million dollar investment in Ameranth in late 1999, which was then followed by a strategic investment by Microsoft and thus with the world's leading mobile computing and software companies placing multi million dollar investments into Ameranth, this too further validated that Ameranth's technology was truly unique and that it had developed and owned a new and an unprecedented technology solution to solve a very important market need.

John V Harker (dated as above)









Symbol Technologies, Inc. 72 Colonel Enoch Carmel, NY 10512

December 30, 1998

Keith McNally
Ameranth Technology Systems
16079 San Dieguito Road
Rancho Santa Fe, CA 92067

Dear Mr. McNally:

I want to thank you for your time the other day. Per our conversation, Symbol Technologies would like to have the opportunity to work with Ameranth. Symbol's Spectrum 24 Wireless LAN Technology, I believe, would be a great compliment to your 21st Century Restaurant System.

On January 18 - 20th, in New York City will be the National Retail Federation Show (NRF). Symbol will be exhibiting and will have conference rooms available to meet. I want to extend to Ameranth the opportunity to meet with Symbol Technologies, review our Mobile and Wireless products, and discuss how we might possibly work together. It would be a great opportunity to meet with Symbol Senior Executives and address your concerns of working with a Billion dollar company.

Hook forward to meeting with you. I would like to target the 19th at Jacob Javitz to get together. Please call me to schedule a time convenient to you.

John V. Harker Symbol Technologies

ery truly yours,



January 2, 1999

Mr. John Harker Director of OEM Sales Symbol Technologies 72 Colonel Enoch Carmel, NY 10512

Subject: Possible Symbol/Ameranth Alliance

Dear John:

Happy New Year! I hope that you had a wonderful holiday season. We have given a lot of thought to your offer of a relationship between Symbol and Ameranth and we would like to pursue this on the timeline and in the manner you suggested.

As I conveyed to you in our last discussion, we have considerable trepidation in establishing an alliance with a company of your size, breadth of products/technology and the wherewithal to "push us aside" if we open up our market and product strategy/technology baseline to you. That being said; I do admit that Symbol has a good reputation for both supplying its key components to industry partners and competing fairly at the terminal/systems level as well. Your assurances that this would be so in a relationship with Ameranth resulted in our decision to attempt to go forward with you.

I was actually surprised that you apparently recognized from the FS/TEC Show the imminent impact we are going to have in the Hospitality and other markets with our unique products and systems solutions. I believe that your assessment of us will prove itself by mid 1999 and that our impact in the markets will grow from there. We have numerous unannounced products, technology innovations, and key relationships with major partners that will be known in the coming months and will enable us to truly set numerous standards. We also just closed a major financing deal.

There are a few key factors that will influence our decision to move to Symbol technology and away from our current technology baseline in wireless and scanning technology:

- Your ability to make quick decisions and to consummate a strategic relationship at or near to the proposed January 19, 1999 meeting at NRF. This is key as we will barely have enough time to change and still meet our required product roll-out dates and major launch at NRA in May 99. We can not afford months or even weeks of legal/contractual negotiations normal for major corporations.
- Assurances that our niche will not be overwhelmed by Symbol when and if we establish your wireless network as the baseline for our various 21ST Century system solutions. Details TBD.
- Pricing that is truly competitive for our lower level requirements. Thus, many of our niche and product/system solutions only require short messages of a few hundred bytes and do not need 4MBPS data rates and as such can not afford high RF prices. An alternative might be to link our lower rate/cost network to Spectrum 24 and offer hybrid solutions to our customers, but it would be better if we only had to integrate a single wireless system.
- An aggressive offer from Symbol to assist our 1999 launch with reduced pricing, loans of beta-site equipment, extra engineering support to recover schedule if we shift to your baseline, reduced pricing for the first 1000, and 5000 quantity orders to assist us in achieving early profitability and as a sign of your desire for a strategic and long term relationship with Ameranth.



January 15, 1999

Mr. John Harker Director of OEM Sales Symbol Technologies 72 Colonel Enoch Carmel, NY 10512

Subject: Request for ROM Quote on Symbol 1700

Dear John:

We look forward to meeting with you on Tuesday. As we discussed, Ameranth urgently needs a ROM quote for 2000 Symbol 1700 units to support a government bid. Approximate program schedule would be 100 units/month starting 9/99 and 200 units/month starting 01/00. We are interested in the CE version; in that we are developing a relationship with Microsoft and envision their software as the backbone for our various 21ST Century System implementations.

Questions?

- 1.) Can we get a demo unit for 1-2 days in February to support a briefing to the customer?
- 2.) When can we get software development kits?
- 3.) When can we get 10 prototypes?
- 4.) When can we get the first 100 production units?
- 5.) Will the unit operate at -20C?
- 6.) Approximate size/weight? Not to exceed is OK.
- 7.) Can we brand the units Ameranth? If yes, what is required? NOTE: obviously this would be under the assumption that we made the unit our standard for much greater quantities than this initial order and as part of a broader alliance.
- 8.) If enhancements to the unit are needed, e.g. integration of SMART Card reader, will we be allowed to make them and will you provide us access to the necessary data to make changes e.g. pin-outs, firmware data etc?
- 9.) What is the ROM pricing for the unit with scanner? With Spectrum 24 card included? Assume 8MB RAM/ROM.
- 10.) Does the unit have an IRDA port?
- 11.) Which Microprocessor?

John, sorry for the short notice, if you can not provide a written ROM by the end of your day..... please at least call and provide your best verbal estimate, to be followed by a written ROM as soon as feasible.

Thanks,

Keith R. McNally

Kee a. Ull

Chief Executive Officer

Ameranth Technology Systems, Inc.





Symbol Technologies, Inc. 72 Colonel Enoch Carmel, NY 10512

January 16, 1999

Keith McNally Ameranth Technology Systems 16079 San Dieguito Road Rancho Santa Fe, CA 92067

Dear Keith:

Thank you for the letter detailing the question that need to be resolved. Below, I have answered what I can. At our meeting on the 20th, I should have all the answers.

1700: Batch Palm

1740: Spect 24 Palm

2700: CE Batch

2740: Spec 24

- My suggestion is to demo the SPT 1500 and display the mock up of the 1700 and 2700. 1)
- Yes, Symbol can provide application development kits for the 1740 and 2700 (CE) 3) 2) Beta units will be available in May, production in June/July.
- Production units June and July 4)
- Both 1700 and 2700 will operate at-20C. 5)
- I will have spec sheets at NRF 6)
- Branding issues can be discussed Tuesday. 7)
- Smart Card integration is vital for Symbol moving forward. Will discuss on Tuesday. 8)
- All units will have scanner, options for Spectrum 24, multiple RAM, NVRAM configs. 9)
- All units have IRDA 10)
- Dragonball 68328 for the 1700. 11)

I have requested list pricing and cost from my Mobile Computing organization. As you requested, my best guest pricing can be plus or minus 15%. We should sharpen pencil and get more details for you on Tuesady. The 1740 w/ scanner / 24 Radio will be around \$ 1200. The 2740 W/ c/scanner / 24 radio and 8MB RAM & 8MB NVRAM should be around \$ 1500.

Please look for me at booth on Monday, I can be reached by cell at 914-843-0788 and pager at 888-360-3471. See you soon.

V. Harker Symbol Technologies

OEM Scanner Sales ♦ Phone: 914-277-2234 ♦ Fax 914-277-2235 ♦ Internet: Harker@symbol.com KEITH2.DOT

PWRW&G Draft: [^] 1/29/99

Memorandum of Agreement

This Memorandum of Agreement (the "Agreement") is entered into as of <u>S</u> February, 1999, between Symbol Technologies, Inc. ("Symbol"), having its corporate offices at One Symbol Plaza Holtsville, NY 11742, and Ameranth Technology Systems, [^] Inc. ("Ameranth"), having its corporate offices at 16079 San Dieguito Road, suite A-1, Rancho Santa Fe, CA.

WHEREAS, the parties believe that a mutually beneficial relationship should be established to leverage their respective capabilities toward the goal of maximizing sales of the parties' products in the Hospitality/Gaming and selected DOD/Law Enforcement markets (the "Markets"):

THEREFORE, the parties state and agree as follows:

- 1. The parties have signed a non-disclosure agreement that is in force and will survive this Agreement.
- Attached as Exhibit A is a summary of the business agreement setting forth the respective responsibilities of the parties with respect to this Agreement.
- Agreement, substantially in the form of Exhibit B, [^] modified as the parties shall agree, and each party will adhere to all of the standard conditions [^] and obligations set forth in the agreement.
- 4. The term of this agreement will be one year from the date first written above, renewable [^] <u>automatically for successive one-vear periods, unless written notice of termination is given under paragraph 5 of this Agreement.</u>
- 5. This Agreement may be canceled upon six months written notice from either [^] party setting forth the details of a breach of this Agreement or a default of any obligations under this Agreement, provided, however, that the defaulting party shall have ninety (90) days to cure [^] the breach or default, unless the breach or default cannot be cured in ninety days, in which case, the Agreement shall not be canceled if the defaulting party shall have undertaken commercially reasonable efforts designed to cure the breach or default. If a cancellation of Ameranth's role as the "master distributor" for Symbol products in the Markets occurs, Ameranth shall retain the right to purchase and [^] use Symbol wireless products [^] within its products.
- 6. The nature of this agreement, the fluidity of technology, market evolution, the introduction of new products and related developments require an exceptional level of trust between the parties and flexibility in the implementation of

the Agreement to ensure that the relationship is fair and equitable to both parties. As the "master distributor" for Symbol in the Markets Ameranth will be committing assets and making investments to further the sales of Symbol products. In so doing, Ameranth will realize benefits in margins between the prices it pays for products and those offered to others in the distribution network, and enjoy collateral sales of its products through these efforts and opportunities. Ameranth's efforts in these markets and the benefits that it realizes will be directly related to the value that Ameranth brings to the efforts and in such cases where sales occur in the Markets for which Ameranth did not contribute (e.g. Symbol "exclusions" as indicated in [^] Exhibit A[^], Ameranth will not realize any direct compensation. The parties will address and resolve any issues in this regard in an equitable and fair manner.

- 7. The parties will designate within 10 days of the signing of this agreement the official representative for each party through which all actions, changes and/or issues associated with the Agreement will be addressed.
- 8. Changes will be subject to mutual agreement. [^] The parties will cooperate closely on pricing strategies because it is expected that frequent changes will be required to accommodate competitor actions and market changes.
- 9. This Agreement will be governed by the laws of the State of New York applicable to contracts made and to be performed entirely in that state.
- 10. This Agreement, Exhibit A. the non-disclosure agreement and the Symbol Distributor Agreement, as executed, comprise the entire agreement and understanding of the parties relating to the subject matter of this Agreement and supersede all prior agreements, arrangements and understandings, whether written or oral, relating to the subject matter of this Agreement. [^]

IN WITNESS WHEREOF, the parties have executed this Memorandum of Agreement on the date first written above.

SYMBOL TECHNOLOGIES, INC.

Name: MARK SCHRATE

Title: V.P. WESTERN AREA

AMERANTH TECHNOLOGY_SYSTEMS, INC.

y: KERL K

Name: Keith McNally

Title: Chief Executive Officer

Agreement to Synchronize Efforts in Selected Markets

1. Symbol Technologies, Inc. ("Symbol") and Ameranth Technology Systems, Inc. ("Ameranth") have agreed to combine their efforts in the Hospitality/Gaming and selected DOD/Law Enforcement markets [^] with the expectation that the resulting cooperation will achieve better results for the companies than if they pursued these markets independently. The cooperation will primarily take the form of a product distribution agreement. To maximize results, however, the two companies will attempt to synchronize their development and marketing efforts in order to achieve the earliest and broadest market results possible.

2. Ameranth responsibilities/key actions:

- A. Ameranth will establish the Symbol Spectrum 24th wireless LAN network as its standard for its 21ST Century Restaurantth System and other 21ST Century systems. Ameranth will also change its current product upgrade paths for the Intrapadth, Padlinkth[] and Ultrapadth from previous wireless baselines to the Spectrum 24 [] metwork products and ensure that these Ameranth products are interoperable with the Spectrum 24th network. Ameranth will also seek to link the Spectrum 24th backbone to/with its other emerging partner links (e.g. CDMA/CDPD) and with web based links designed to achieve a totally integrated solution around the Spectrum 24th standard.
- B. Ameranth will cancel its planned CE upgrade to the Ultrapad[™] and switch to the 2700 product family as its future mobile computing device. This will also include switching its outstanding proposals to a 2700 baseline as soon as feasible. Ameranth will work with Symbol to develop a modified version of the standard 2700 (e.g., case color change or other minor changes) to enable Ameranth to market a unique, branded version. Ameranth also [^] reserves the right [^] to produce custom accessory options (e.g. a SMART Card reader, and/or a slightly more EMI robust case) and to offer these options to Symbol for possible broader application in non-Ameranth markets. Additionally, [^] having agreed that there is a mutual desire for broader cooperation, Ameranth will propose to align its future product developments (e.g Bluetooth enabled devices) to leverage from and complement Symbol's strategic direction.
- C. Ameranth will dedicate its resources to making the Spectrum 24rd wireless network and family of products [^] the industry standards within Ameranth's core markets as quickly and as broadly as possible.
- D. Ameranth will develop and execute a comprehensive product launch strategy for the Spectrum 24TM network and the 1700/2700 mobile devices for the May[^] 1999 National Restaurant Association ("NRA") Show in Chicago. This strategy will include an advertising campaign, a complete upgrade of

brochures/handouts, a mailing campaign[^], preparation of dealer/distributor packages, a press release, a state-of-the-art booth, pricing strategies, software development kits, and similar actions [^] designed to achieve maximum results. Additionally, Ameranth will, in cooperation with Symbol, select 5-10 leading POS companies [^](e.g., Infogenesis, HSI, Aloha, Squirrel, GEAC[^] and Radiant) to have the products launched simultaneously in their booths at NRA. These POS companies and other partners will be under [^] non-disclosure agreements prior to the product launch. In parallel, [^] the parties will jointly select with the Symbol team other best-of-breed partners in additional key areas of the 21ST Century RestaurantTM system (e.g. IBM for servers/displays/integration), 1-2 frequent dining database suppliers, 1-2 paging companies (e.g., ITECH, Signologies)[^] and 1-2 credit card authorization companies (e.g., NPC), so that a totally integrated system solution is available for customers of [^] various sizes and needs, centered around the Spectrum 24TM wireless network and family of products.

- E. Ameranth will modify its Software Wizard development environment to enable POS suppliers and/or the customers themselves to quickly develop hand-held POS applications for the CE screen of the 2700. [^] Ameranth will work with Symbol, Microsoft and others to offer a [very easy] [^] programming environment. [^] Ameranth will also provide a tailored version for the smaller screen of the 1700 and work with one or more software developers Symbol selects from its ongoing efforts with the Palm OS [^] as an option for the integrated 21ST Century Restaurant system.
- F. Ameranth will prepare and present to Symbol management a detailed 1999/2000 business plan for this coordinated effort. A draft will be presented by March 1, 1999 (assuming the relationship is established not later than February 1, 1999) and it will be finalized approximately April 1, 1999. It is envisioned that the development of this plan will be a team effort leveraging from Symbol's experience in similar product/market launches. Subsequently, the plan will be reviewed at least quarterly and appropriate adjustments will be made to either exploit success or address any shortfalls.
- G. Ameranth will initiate infrastructure and personnel expansion efforts in preparation for and in parallel with the product launch at NRA [^] so that the proper resources are in place/available not later than May 20, 1999 to ensure quality support for the expected large industry response to the product launch. This will include, but not be limited to, sufficiency of prototypes, software development kits, 1-800 call-in support, rapid repair and equipment support options, technical support, dealer kits, availability of supplies/accessories etc. Additionally, Ameranth will prepare a significant upgrade to its web-site to make all key specifications and product information available over the web and to [^] prepare for web commerce. The details of this structure will be coordinated with Symbol in advance and included in the overall business plan referred to in paragraph 2(F) above.

- Ameranth will develop and support a comprehensive H. distribution/pricing strategy so that sufficient margin exists at the various channels to provide attractive margins/profits for the family of products to become the runaway success both companies wish them to be. This will require Ameranth to [1] work closely with the channel partners, and in coordination with Symbol, to make adjustments to maximize market share and to focus on optimizing the sales volume and market share.
- Ameranth management will work closely with the Symbol management I. team to ensure that this cooperative effort is very successful and that problems/issues, if any, are dealt with quickly and through the cooperation of the respective management teams.
- Ameranth [Iregisters] the following accounts as Amerantin accounts Litton, SAIC, Cache Box, HSI, WirelessKnowledge, Tangent, JTECH and 4-5 international military markets with an aggregate potential of approx 50,000 2700's, and many thousands of Spectrum 24 wireless cards/phones and Access Points during the period of Q499 to Q2 03. Note: these are markets/contracts that will be reached through/with Litton as opposed to direct sales. [^] Ameranth will respect the sexcluded registered accounts of which Symbol advises it.
- Symbol Responsibilities/key actions: 3.
- Processo W/Ken Symbol [^] has selected Ameranth as its master distributor and launch partner for the Spectrum 24™ and 1700/2700 products within the Hospitality/Gaming and [^] certain DOD/Law Enforcement markets. Ameranth will be authorized to brand a version of the 2700. Symbol will support Ameranth's 21st Century Restaurant[™] System with the Spectrum 24[™] family of products.
- Symbol will assist Ameranth in achieving success through its В. experience, marketing networks, pricing incentives, engineering support and other appropriate actions that Symbol deems complementary to the overall objectives. Symbol will provide Ameranth a reasonable amount of no-cost loaners, demo units etc. to facilitate preparations for the NRA product launch. THE MODULES
- Symbol will provide its Spectrum 24th PC cards to Ameranth at very C. aggressive prices [1(e.c. \$150.00) for those embedded applications only within Ameranth products so as to enable them to meet the requisite price points and to achieve a totally integrated Spectrum 24th network. Ameranth will not disclose these special prices (nor will they be discernable to the market). except as required by law, and these specially priced cards will only be for Ameranth's embedded product use.

To be clarified.

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- D. Symbol will make its Spectrum 24^{rs} family of products available to Ameranth for overall distribution within Ameranth's markets and at price points that enable Ameranth to be profitable while distributing products to the channel partners/distributors/dealers.
- E. Symbol will keep Ameranth reasonably apprised of its future product strategy so as to enable Ameranth to align its strategy to be complementary.
- F. Symbol will, from time to time, offer Ameranth an opportunity to bid to provide hardware/software options supportive to the Symbol product line (e.g., a SMART Card reader option). It will be in Symbol's sole discretion to determine if Ameranth's bid provides the best-value solution for [^] Symbol's needs.
- G. Symbol will share leads and cooperate on market strategy with Ameranth in areas supportive to the common goals and that do not conflict with Symbol's other partners, commitments and/or relationships.
- H. After reviewing Ameranth's business plan in March/April 1999, Symbol will consider providing financial support and/or incentives (e.g., deferred payments, advances etc.) so as to enable Ameranth to achieve [^] greater market penetration and sales. It will be in Symbol's sole discretion to determine what support of this nature, if any, is provided depending on the merits of the business plan and the results achieved.
- I. Symbol will assign an Ameranth account manager through which regular business arrangements will be transacted. Strategic actions/decisions will be coordinated with/through the Symbol Director of Hospitality/Gaming.
- J. Symbol will support Ameranth's efforts in its registered accounts.

 Symbol will advise Ameranth of the [registered accounts] to be excluded from this Agreement. A mutually agreed upon list of [registered accounts] will be finalized within ninety (90) days of the date of the Memorandum of Agreement.