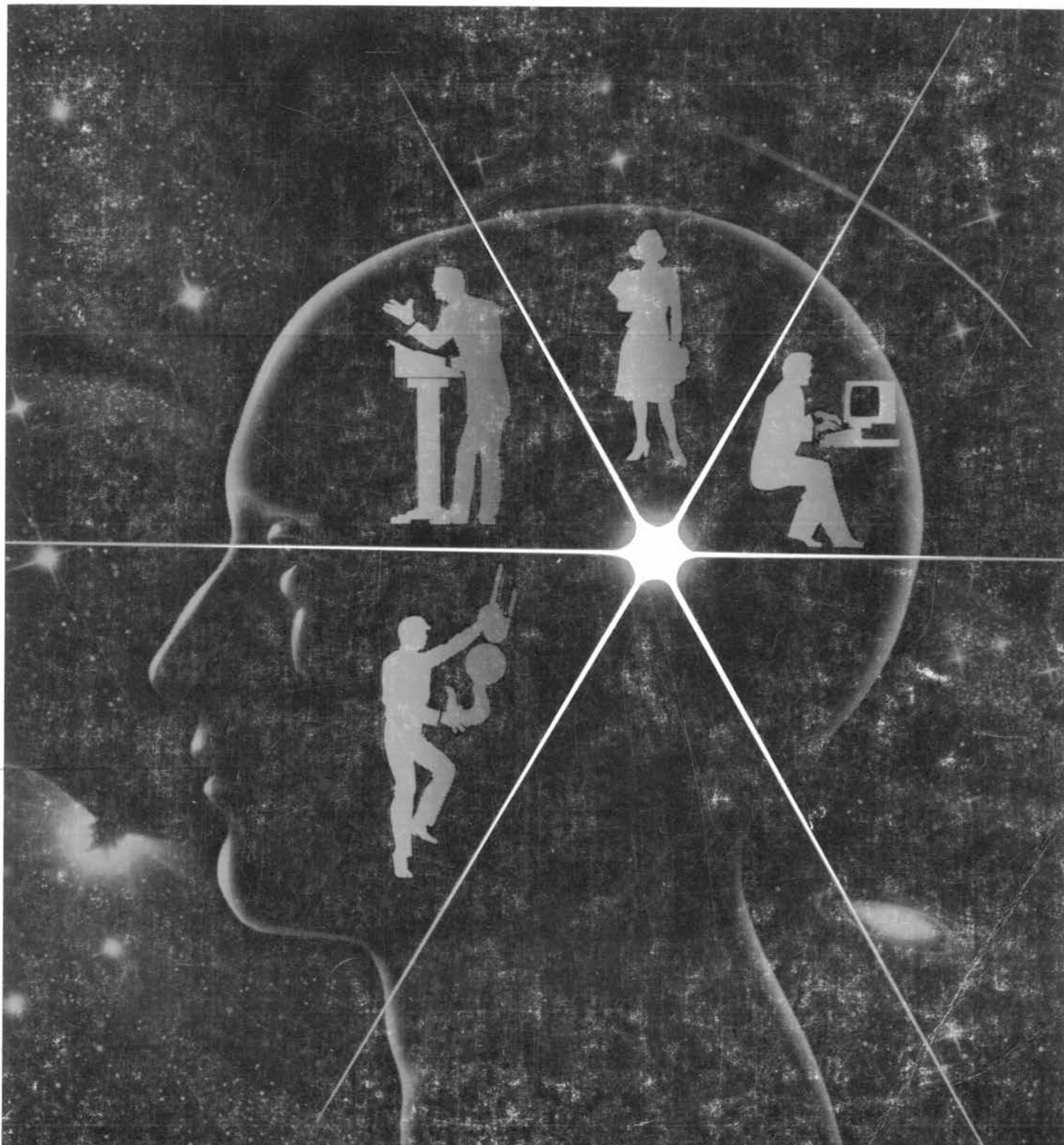


Dictionary of Occupational Titles

Volume I
Fourth Edition, Revised 1991



U.S. Department of Labor
Employment and Training Administration
1991



3-22-94

Dictionary of Occupational Titles

Fourth Edition, Revised 1991



Volume I

U.S. Department of Labor
Lynn Martin, Secretary

Employment and Training Administration
Roberts T. Jones
Assistant Secretary of Labor

U.S. Employment Service
1991

steer ~~2/2~~
HB
2595
D53
1991
—
1

MESSAGE FROM THE SECRETARY

APD 7656

Since its inception, the *Dictionary of Occupational Titles* (DOT) has provided basic occupational information to many and varied users in both public and private sectors of the United States economy. This revised Fourth Edition of the DOT appears at a time when there is growing recognition of the need for lifetime learning, when rapid technological change is making the jobs of current workers more complex than they were even a few years ago, and when timely and accurate labor market information is an increasingly important component of personal and corporate decision-making.

Publication of this document reaffirms in the clearest way the Department's continuing commitment to assist jobseekers, employers, educational and training institutions, researchers, and other interested parties with the most current and accurate occupational information possible. I hope that publication of this revised Fourth Edition will constitute a public service as timely and valuable as was publication of its predecessor volumes.



LYNN MARTIN
Secretary of Labor

PREFATORY NOTE

In the 14 years since the release of the Fourth Edition of the *Dictionary of Occupational Titles* (DOT), the American workplace has undergone revolutionary change. The skills most in demand are not what they were 14 years ago; educational requirements have steadily increased. Too many of America's young people are entering the world of work inadequately prepared. The resulting dislocation—the so-called “skills gap”—presents those of us who prepare, hire or support American workers with a serious challenge.

The revised Fourth Edition of the DOT is an important part of the Department of Labor's response. It provides an updated picture of the occupations for which America's workforce must be prepared. It details the tasks to be performed and the levels of education that must be achieved. The DOT offers a starting place from which to address issues of training and education, career guidance and employment counseling, job definition and wage restructuring.

We in ETA are pleased to present the revised Fourth Edition DOT. We hope that this update will make it an even more valuable reference for its substantial body of readers.



ROBERTS T. JONES
Assistant Secretary
for Employment and Training

FOREWORD

The *Dictionary of Occupational Titles* (DOT) has been, since 1939, a vital part of the USES commitment to collect and disseminate occupational data that is comprehensive, up-to-date, and economically useful. This revision of the Fourth Edition culminates a decade of research and verification by more than 40 job analysts at five Occupational Analysis centers across the Nation and reflects the changing skills, knowledges and abilities of the American workforce.

As was true of earlier versions, this revised Fourth Edition provides a wide range of occupational information with application to job placement, occupational research, career guidance, labor-market information, curriculum development and long-range job planning. Data from the 1982 and 1986 DOT Supplements and part of the data from *Selected Characteristics of Occupations Defined in the DOT* are included in and superseded by this revision.

The revision has enhanced information contained in the occupational definitions in response to user feedback. A number of new occupations have also been added that were originally identified by DOT users and given temporary codes and titles under the Occupational Code Request program. We thank previous users for these improvements. We hope that users of this revised Fourth Edition will continue to help us keep the DOT up to date.



ROBERT A. SCHAERFL
Director
U. S. Employment Service

Explore Litigation Insights

Docket Alarm provides insights to develop a more informed litigation strategy and the peace of mind of knowing you're on top of things.

Real-Time Litigation Alerts



Keep your litigation team up-to-date with **real-time alerts** and advanced team management tools built for the enterprise, all while greatly reducing PACER spend.

Our comprehensive service means we can handle Federal, State, and Administrative courts across the country.

Advanced Docket Research



With over 230 million records, Docket Alarm's cloud-native docket research platform finds what other services can't. Coverage includes Federal, State, plus PTAB, TTAB, ITC and NLRB decisions, all in one place.

Identify arguments that have been successful in the past with full text, pinpoint searching. Link to case law cited within any court document via Fastcase.

Analytics At Your Fingertips



Learn what happened the last time a particular judge, opposing counsel or company faced cases similar to yours.

Advanced out-of-the-box PTAB and TTAB analytics are always at your fingertips.

API

Docket Alarm offers a powerful API (application programming interface) to developers that want to integrate case filings into their apps.

LAW FIRMS

Build custom dashboards for your attorneys and clients with live data direct from the court.

Automate many repetitive legal tasks like conflict checks, document management, and marketing.

FINANCIAL INSTITUTIONS

Litigation and bankruptcy checks for companies and debtors.

E-DISCOVERY AND LEGAL VENDORS

Sync your system to PACER to automate legal marketing.