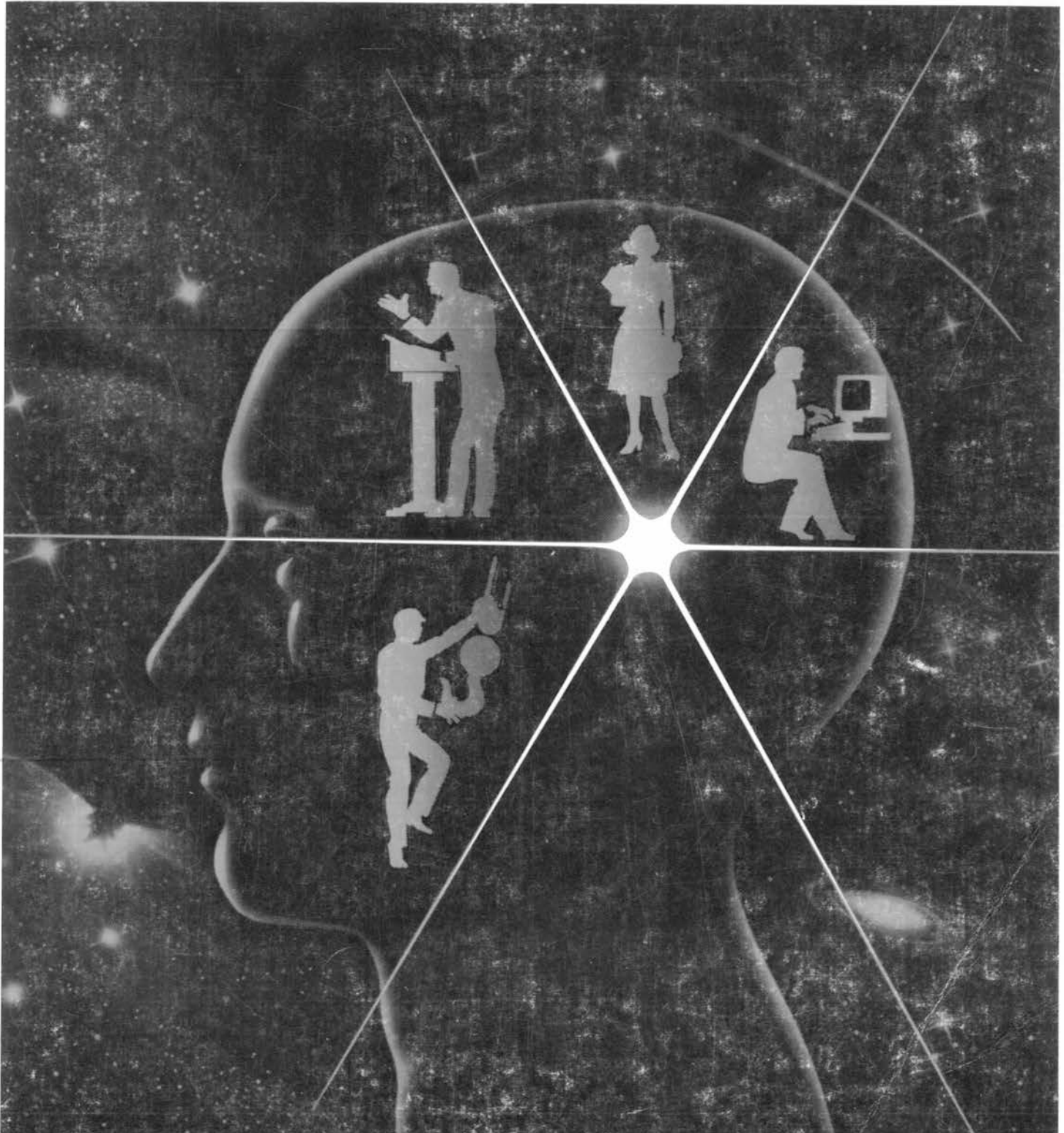


Dictionary of Occupational Titles

Volume I
Fourth Edition, Revised 1991



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



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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
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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. SCHAEFL
Director
U. S. Employment Service

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