

SCIENTISTS and ENGINEERS

Dynamic new subsidiary of **Ford Motor Company** is now in initial stages of expanding military and commercial programs.

Positions are at ASI's interim Glendale facility and will also be at ASI's new Research Center now under construction at Newport Beach in Southern California. Work in an intellectual environment as stimulating as the locations are ideal—close to most of So. California's cultural, educational, and recreational centers.

Outstanding growth opportunities for qualified engineers and scientists are open in following fields:

OFFICE OF ADVANCED RESEARCH THEORETICAL RESEARCH—Hydrodynamic and radiation processes in tenuous gases at very high temperatures, ionization produced by soft X-radiation, hydrodynamics of solids at high pressures including studies of equations of state, infrared properties of the atmosphere and of hot gases, conversion of chemical energy into sound and the condensation rate of supersaturated vapors. Theoretical physicists are needed to work in these fields. Specific experience is not necessary. However, a general background in theoretical and mathematical physics is required.

You are invited to address inquiries to M. H. Johnson, Advanced Research Staff at our Glendale, California address.

Other unusual opportunities are open for qualified engineers and scientists in the following areas:

SPACE TECHNOLOGY DIVISION

Astrodynamics • Space Environment • Theoretical Physics • Electronics • Radar • Information Links • Automatic Controls • Mathematics • Combustion • Materials • Aerochemistry & Propulsion

COMPUTER DIVISION

Input-Output Equipment
Storage Units •
• Display Devices

TACTICAL WEAPON SYSTEMS DIVISION

• Aerodynamics
• Electro-optics
• Guidance and control

Qualified applicants for the above three divisions are invited to send resumes and inquiries to Mr. K. A. Dunn, 1234 Air Way, Bldg. 16, Glendale, California. Phone CHapman 5-6651.

AERONUTRONIC SYSTEMS, INC.

a subsidiary of
FORD MOTOR COMPANY
NEWPORT BEACH, GLENDALE,
SANTA ANA AND MAYWOOD, CALIF.

Federal Recruiting of Research Scientists

The news article "Young research workers sought for Washington area laboratories" [*Science* 128, 1614 (1958)] stated that because of the great "need for productive and creative research personnel" the Civil Service Commission is seeking "more than 200 of the country's most capable young men and women." Although not explicitly stated in the article, it is clear from the Civil Service grades involved that this search is designed to attract those holding a bachelor's degree.

Because I do not feel that the bachelor's degree offers sufficient preparation for these capable people to make the best use of their talents in scientific research, I believe that it would be better both for the young people involved and for our nation if the "country's most capable young men and women" were to engage in full-time graduate study before accepting career employment in research. Surely these highly talented people can obtain scholarship and other financial assistance, if needed, to enable them to continue their studies.

In the past, the Federal Government has often hired research scientists by methods which have proven successful for hiring clerk-typists. The results from these methods have not always been satisfactory, so now, in the guise of "a new approach," research scientists are to be recruited by methods ("Research Scientist Examination") which have proven successful for hiring administrators ("Management Internship Examination"). Although this is indeed a step forward, it is still apparent that the Civil Service Commission does not recognize the need to hire research scientists by methods tailored to the specific problems involved.

The normal time to start a professional career in government service is after the award of the bachelor's degree. Apparently the Civil Service Commission feels that the start of a research scientist's career in the Government should also be at the bachelor-degree level and has planned its recruiting program accordingly. Clearly, it is not understood by the Civil Service Commission that a longer period of academic training is normally required by high-quality research scientists than by managers and administrators.

I suggest that "a new approach to the problem of recruiting . . . productive and creative research personnel" would be for the Civil Service Commission to actively seek to identify and attract into government employment the more promising young men and women who have recently received their advanced degrees, especially at the Ph.D. level.

ARNOLD PROSTAK

Ann Arbor, Michigan

NEW OPPORTUNITIES IN RESEARCH . . .

Expanding pharmaceutical company initiating a broadened and accelerated research program offers excellent opportunities in basic research for:

Senior Research Pharmacologist—

Ph.D. with training or interest in cardiovascular research to supervise acute and chronic cardiovascular screening programs and study potential cardiovascular compounds including in vitro and in vivo testing.

Senior Research Pharmacologist—

Ph.D. with general pharmacology training and experience to direct screening program, plan and develop specialized pharmacologic experiments and new testing methods.

Parasitologist—B.S. or M.S. with training and/or experience in parasitology and good background in parasitic protozoology and helminthology to assist in problems concerning development of compounds in both human and veterinary field.

Virology—M.S. with virology or tissue culture training or B.S. with several years virology, immunology or tissue culture experience to assist in problems concerning human and animal virus infection and immunology.

Bacteriologist—B.S. bacteriology training essential to perform in vitro screening procedures with chemotherapeutic agents.

Senior Research Biochemist—Ph.D.

with strong organic chemistry background to study bio-chemical transformation of drugs, especially their fate in animal metabolism.

Biochemist—B.S. with chemistry major, biology minor, to assist in biochemical investigations relating to drug mode of action. Work involves small animal experimentation and analytical biochemistry.

. . . AND MEDICAL WRITING, ABSTRACTING: SCIENTIFIC INFORMATION

Senior Medical Editor—B.S. or advanced degree graduate with training in basic medical sciences and experience in editing, abstracting and writing to edit technical manuscripts for publication and write material for manuscripts and brochures.

Senior Information Scientist—

Ph.D. with training in one or more Biological Sciences to screen and abstract unpublished scientific information, to develop and utilize coding processes in correlation of research data and to conduct liaison among Scientific Staff.

Translator-Scanner—B.S. with advanced biology, chemistry, medical sciences training and knowledge of several languages to scan current medical and other scientific periodicals and translate scientific information.

Company is located in small, progressive community in semi-rural area of central New York State. Modern laboratories, complete benefit program.

We will welcome your writing to us. Please forward résumé to:

Personnel Director
Eaton Laboratories Division
The Norwich Pharmacal Co.
Norwich, New York