

STEPPING STONE TO A CAREER IN SPACE



Manned flight to the moon is a major step in America's long-range program of space exploration. What will be the next major step? Will the moon become a space station 240,000 miles distant, from which future probes can be made for Mars, Jupiter, Saturn and beyond?

Bellcomm, systems engineering contractor of the National Aeronautics and Space Administration, offers rewarding employment opportunities for persons well qualified in such fields as computing and programming, physics, mathematics, engineering, flight mechanics, chemistry, propulsion, guidance and trajectory analysis.

If you are interested in a career in space and believe that you qualify, Bellcomm will welcome your résumé. Address it to Mr. N. W. Smusyn, Personnel Director, Bellcomm, Inc., Room 1308-J, 1100 17th St., N. W., Washington, D. C. 20036. Bellcomm is an equal opportunity employer.



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PUBLISHING NEWS

Nonlinear mechanics

Pergamon Press has announced plans to publish a *Journal of Non-Linear Mechanics*. Papers on nonlinear problems in elasticity, plasticity, vibrations, rheology, hydrodynamics, gas dynamics, magnetohydrodynamics, astromechanics, and control and stability will be included. Contributions may be experimental or theoretical or both. Mathematical treatments of nonlinear differential equations in which solutions and properties of solutions are emphasized will also be carried.

William A. Nash of the University of Florida, Gainesville, Fla., will be editor in chief. He will be aided by a board of editors including: R. M. Rosenberg (University of California, Berkeley), W. Olszak (Academy of Sciences, Warsaw), B. R. Seth (Indian Institute of Technology, Kharagpur), Th. Vogel (Centre de Recherches Physiques, Marseille), A. I. Lur'e (Institute of Mechanics, Moscow), and N. N. Moiseev (Institute of Mechanics, Moscow). Prospective contributors should submit manuscripts either to the editor in chief or to the member of the editorial board whom they consider most closely connected with the topic of the contribution. The language will primarily be English with abstracts in English, French, German, and Russian.

The new journal will appear quarterly; the first volume is expected to cover the year 1966. Subscriptions (\$40.00 per year) may be ordered from Pergamon Press, 44-01 21st St., Long Island City, N. Y. 11101.

Symmetry in crystallography

The Commission on International Tables of the International Union of Crystallography has authorized the preparation of a supplemental volume of the *International Tables for X-Ray Crystallography* dealing with the subject of generalized symmetry. It will include a full discussion of the various kinds of antisymmetry groups, as well as their application to magnetic

and other structures. William T. Holser of Chevron Research Company, La Habra, Calif., has been appointed editor of this volume. In conjunction with the joint meeting of the American Crystallographic Association and the Mineralogical Society of America at Gatlinburg, Tennessee, Dr. Holser met with several others on June 30 for preliminary planning. Copies of the outline plan, as drawn up for discussion at Gatlinburg, are available from Dr. Holser for anyone interested in assisting this planning with comments and criticism.

Optical directory

The 1965 edition of *Optical Industry and Systems Directory* has recently been published. The 486-page paperbound volume lists optical manufacturers of the United States by name, products, and location. Copies can be obtained from The Optical Publishing Company, 7 North St., Room 310, Pittsfield, Mass. 01202, for \$15 each.

Terrestrial heat flow

The American Geophysical Union has recently published *Terrestrial Heat Flow*, Volume 8 of its Geophysical Monograph Series. The present volume was edited by William H. K. Lee and contains nine chapters by twelve authors, dealing with various aspects of the flow of heat from the center of the earth out through the surface. The book is clothbound, 250 pages, and costs \$10.00. Further information is available from the American Geophysical Union, Suite 506, 1145 19th St., NW, Washington, D. C. 20036.

Neutron scattering

The International Atomic Energy Agency has published *Inelastic Scattering of Neutrons*, proceedings of a symposium held at Bombay from December 15 to 19, 1964. A total of 66