

VARIAN ASSOCIATES

THE COMPANY. . . . Widely known for its creative management and consistent growth over the twelve years since incorporating. Varian's modern sixty-six acre headquarters facility is located in Palo Alto, California near Stanford University.

Large amounts of Company sponsored R&D coupled with a sincere dedication to technical excellence and a diversification of product interests are key factors in the Company's continued success.

Product areas now include Microwave tubes, Solid state devices, Microwave components, Tube accessories and parts, Electronic systems and equipment, Scientific instruments, High Vacuum systems and equipment and Electron accelerators.

THE POSITIONS. . . . Currently available are several opportunities for Senior Microwave R&D Engineers qualified to undertake difficult tasks in key positions and capable of meeting external competitive challenges. A wide range of projects include Super-power, Medium power, and Low power TWT's and Backward wave oscillators.

Also available are openings for Engineers with experience in productizing a wide range of Klystron tubes, TWT's and BWO's. Opportunities for competent Junior Engineers currently exist in all engineering areas throughout the Company.

THE REWARDS. . . . A policy of compensation and advancement based on ability, recognition of individual contributions, association with internationally known scientists and a liberal benefit program which includes Cash Profit-Sharing, Stock Purchase Plan, Free Insurance, Profit-Sharing Retirement Plan, etc., combine with the natural advantages of climate, cultural and recreational opportunities and the beautiful surroundings of Santa Clara Valley to produce an environment conducive to professional growth and personal satisfaction.

If you are interested in investigating these and other opportunities, please write, enclosing a detailed resume of your experience to:

Technical Employment



VARIAN associates
PALO ALTO, CALIFORNIA

611 Hansen Way Palo Alto, Calif.

All inquiries will be promptly acknowledged.

the Council's annual business meeting, and a symposium on color in photography and television. The banquet will take place on Tuesday evening.

The purpose of the ISCC is to "stimulate and coordinate the work being done by various societies, organizations, and associations, leading to the standardization, description, and specification of color, and to promote the practical application of these results to the color problems arising in science, art, and industry". Persons interested in attending the meeting or obtaining further information about the Council should contact the secretary, Ralph M. Evans, Color Technology Division, Building 65, Eastman Kodak Company, Rochester 4, N. Y.

APS New York State Section

ATOMIC and molecular amplifiers will be discussed at a symposium to be held April 14-15 at Le Moyne College in Syracuse under the sponsorship of the New York State Section of the American Physical Society. The program will include invited papers on the basic physics and applications of masers and lasers. An evening public lecture will be given by a Boston College geophysicist, Father Daniel Linehan, S.J. The local committee is headed by Father Robert O. Brennan, S.J., of Le Moyne College, and the program has been assembled by Henry Levinstein of Syracuse University and D. R. Morey of Eastman Kodak Company.

Because of the limited space available for the meeting, advance registration will be required. Further information can be obtained from the secretary of the New York State Section, Oran E. Miller, B-65, 1669 Lake Avenue, Kodak Park, Rochester 4, N. Y.

Aerospace Electronics

ELECTRONICS Technology in the Aerospace Age is the theme of the thirteenth annual National Aerospace Electronics Conference (NAECON) to be held May 8-10 at the Biltmore and Miami Hotels in Dayton, Ohio.

Among the topics on the tentative agenda are energy-conversion systems, solid-state devices, radio astronomy, ground support equipment, aerospace reconnaissance systems, molecular electronics, magnetohydrodynamics, aerospace systems integration, bionics, aerospace communications, antennas and propagation, aerospace environment, vehicle-borne computers, guidance and control systems, telemetry, systems management, microwave tubes and circuits, scientific education, audio techniques, electromagnetic interference, and electric propulsion.

For additional information concerning the meeting, write to the Institute of Radio Engineers, 1 East 79th Street, New York 21, N. Y.

Mass Spectrometry

FUNDAMENTAL and applied research in mass spectrometry, as well as instrumentation and techniques, will be discussed at the ninth annual meeting of the American Society for Testing Materials Commit-



Hotel New Yorker

FORTY-FOURTH STREET AT EIGHTH AVENUE • NEW YORK 1, N. Y.

ALEXANDER GROSS
President

February 1961

OPEN LETTER TO MEMBERS OF THE AMERICAN PHYSICAL SOCIETY AND THE AMERICAN ASSOCIATION OF PHYSICS TEACHERS

To you, your friends and associates in the American Physical Society and the American Association of Physics Teachers, we here at The New Yorker are grateful for the opportunity and pleasure of servicing the needs of your group on the occasion of your recent New York meeting.

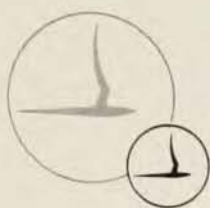
For this expression of confidence in The New Yorker facilities and services we are most grateful. We hope the services rendered and the accommodations provided were such as to merit your continued consideration of The New Yorker when accommodations in New York are needed.

For the 1962 meeting of your Associations, The New Yorker will welcome you with newly decorated sleeping rooms, newly created meeting and exhibit areas on the second floor thereby giving a total of 16,315 square feet, plus additional meeting areas on the fourth floor, third floor, lobby and lower lobby.

Watch for the special sleeping room rates that will be offered to the members of the American Physical Society and the American Association of Physics Teachers for the 1962 meeting!

We look forward to the pleasure of having you with us again in the very near future.

THE STAFF AND MANAGEMENT OF THE
HOTEL NEW YORKER



INTERESTED IN THE PHYSICS OF IONIZED GASES?

Cornell Aeronautical Laboratory is currently conducting a research problem involving the study of gaseous electronics and the physics of ionized gases. Of particular interest are theoretical and experimental studies of the interactions between ion species, electrons, and neutral molecules in ionized gases, as well as plasma dynamics.

Inquiries are invited from those interested in formulating and conducting research problems in these fields. Graduate degrees in physics are necessary, with related experience preferred. Liberal industrial level salary scales plus cost of living increments and many fringe benefits are provided. The Laboratory's professional prospectus, "A Community of Science," is available upon request. Please address J. T. Rentschler.

**CORNELL AERONAUTICAL LABORATORY
OF CORNELL UNIVERSITY**
Buffalo 21, N.Y.

- **STUDENT SECTION NEWSLETTER**
- **SPEAKERS For STUDENT SECTIONS**
- **MOVIES and FILM STRIPS For STUDENT SECTIONS**
- **GRADUATE SCHOOL INFORMATION**
- **PLACEMENT INFORMATION**
- **PHYSICS TODAY**

The above is some of the information sent systematically to all American Institute of Physics Student Sections. There are now 5,000 student members in over 145 sections.

A booklet describing in detail the procedure for establishing Student Sections and the benefits which student organizations derive from membership will be sent upon request. Address all inquiries to:

Mrs. Ethel E. Snider, National Secretary
Student Sections
American Institute of Physics
335 East 45th Street
New York 17, N. Y.

tee E-14 on Mass Spectrometry, which will be held June 4-9 in Chicago. All communications should be sent to Dr. George Crable, Gulf Research Center, P.O. Box 2038, Pittsburgh 30, Pa.

Molecular Structure and Spectroscopy

DISCUSSIONS of the interpretation of molecular spectroscopic data as well as methods for obtaining such data will be featured at this year's Symposium on Molecular Structure and Spectroscopy to be held from June 12 to 16 at the Department of Physics and Astronomy of the Ohio State University. In addition, there will be sessions devoted to phases of spectroscopy which are currently of particular interest. A dormitory will be available for those who wish to reside on the campus during the meeting.

For further information, or for a copy of the program, write to Prof. R. A. Oetjen, Department of Physics and Astronomy, the Ohio State University, Columbus 10, Ohio.

Semiconducting Compounds

PERSONS who are working actively on the fundamental properties of compound semiconductors and who may be interested in attending a scheduled conference on that topic should communicate as quickly as possible with the conference secretary, Dr. Henry Ehrenreich (General Electric Research Laboratory, P.O. Box 1088, Schenectady, N. Y.). The meeting will take place June 14-16 at the GE Research Laboratory under the joint sponsorship of the Air Force Office of Scientific Research, Air Force Research Division, ARDC, and the Laboratory.

The conference is intended to synthesize the physical ideas common to various classes of compound semiconductors and it will be concerned particularly with those compounds for which a large body of experimental information relevant to theoretical interpretation is available. Emphasis will be placed on 3-5 and 2-6 compounds, with some discussion of the lead compounds and transition metal oxides 2-5 and 5-6 compounds. The agenda will be devoted exclusively to fundamental physical properties such as energy band structure, transport (including tunneling), and optical, galvanomagnetic, and resonance phenomena. The conference proceedings will subsequently be published in the *Journal of Applied Physics*.

Energy Sources

AT the invitation of the Italian government, a conference on new (nonnuclear) sources of energy will be held in Rome from August 21 to 31 under the sponsorship of the United Nations. The agenda will emphasize topics dealing with the utilization of solar energy, wind power, and geothermal energy, and special attention will be given to the problems of the less developed countries.

The subject of the conference has been a matter of interest to the United Nations for a number of years. Prospects for making practical use of such energy