ve hear that

ive H. Perry (who will be on leave at e Max Planck Institute this year) d Eugene J. Saletan. Also promoted ere Robert P. Lowndes to associate pro- ssor and David R. Earles to assistant ofessor. Joining the department as sistant professor is Irving M. Asher.

rtin C. Steele, formerly head of RCA boratories' general device research, s joined General Motors Research boratories as director of the semi- nductor group.

y M. Pasachoff, of the Hale Observa- ries, has been appointed assistant ofessor of astronomy and chairman of e department of astronomy at Wil- ms College and director of the Hop- kins Observatory and Milham Planetarium. He succeeds Theodore G. Mehlin, who died recently.

Lars Onsager, the 1968 Nobel laureate in chemistry and a Yale University faculty member since 1935, recently joined the University of Miami's Center for Theoretical Studies as Distinguished University Professor.

Among the eight new members of the National Science Board of the National Science Foundation are T. Marshall Hahn Jr, president of the Virginia Polytechnic Institute and State University, William A. Nierenberg, director of Scripps Institute of Oceanography and Russell D. O'Neal, vice-president for instruction and research of Louisiana State University.

bituaries

lbert B. F. Duncan

bert B. F. Duncan, noted chemist d former professor at the University Rochester, died on 29 August at the e of 69. Since 1970 he had been a iting professor in the department of tronomy at the University of Virgin-

Duncan was very active in early re- arch in photochemistry and in the neral field of spectroscopy. His work molecular spectroscopy, culminating a recent book on the Rydberg series atoms and molecules established n as a leading authority on molecu- chemistry. Most recently he had en working in the new field of inter- llar molecules.

Besides his research and teaching in- rests, Duncan was also assistant edi- of both the *Journal of Physical hemistry* and the *Journal of the nerican Chemical Society*.

CHARLES R. TOLBERT
Leander McCormick Observatory, University of Virginia

oseph H. Lunacek

seph H. Lunacek, an experimental ysicist and an instructor at the Uni- rsity of California at Santa Barbara, d in an automobile accident on 13 ly.

While a graduate student at Massa- usetts Institute of Technology (from ich he received his PhD in 1970), macek made important contributions the application of optical-mixing ectroscopy to biological molecules. In his thesis experiment he made valuable studies of the phonon lifetimes in solids by ultrahigh resolution measurements of the Brillouin spectra. He also helped develop a novel technique that permits accurate measurement of the correlation range in fluids near their critical point. In 1969, while still a graduate student, he was a cowinner of the First Prize at the Apparatus Competition held at the annual meeting of the American Physical Society and the American Association of Physics Teachers.

As a teacher he contributed to the establishment and operation of innovative and stimulating courses in undergraduate experimental physics. And in the laboratory he was always ready to use his considerable talents to solve the problems of others.

GEORGE BENEDEK
Massachusetts Institute of Technology
DAVID CANNELL
University of California, Santa Barbara

Frederick W. Brock

Frederick W. Brock, an optometrist and member of the Optical Society of America, died on 1 August.

Brock, who had been practising in Staten Island for the last 41 years, had studied strabismus (a condition where one or both eyes do no move or focus properly). In 1939 his research led to a new method of treatment for this condition. As a member of OSA, Brock was chairman of the committee on orthoptics and visual training and also a member of the finance committee. □