

boxes that contained devices for tape-recording the sound, heat-emissions, and earth vibrations from passing vehicles. (After calibrating these devices for various types of military equipment, the testers say, they could generally distinguish a passing tank from a milk wagon, or a heavy aircraft from a helicopter.) Finally, on three runways in the test area, automatic cameras clicked off photos every 7 seconds, whether or not anything was coming or going. In various combinations, the sensor and photographic data were provided to, or withheld from, the inspection groups.

At the heart of the experiment were the 80 roving inspectors, who, with cameras, tape recorders, and binoculars, systematically went through the area looking for anything from the unit markings on a convoy to previously unseen insignia on the uniform of a soldier in town. All the information was reported back to a compilation center set up at an abandoned military air base near here. There it was examined and then prepared for computer analysis in Britain and also by the Research Analysis Corporation, of Arlington, Virginia, which helped design the experiment, under contract to ACDA.

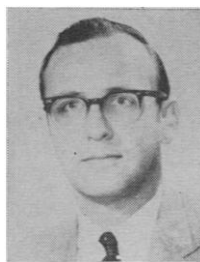
First Look regularly welcomed visits by the press and foreign governments. (Alone of the Soviet-bloc nations, the Czechs accepted an invitation to visit early in the summer, but failed to show up.) Almost invariably during these visits, the staff reported, questions were raised about the possibility of deception under an agreement. British Brigadier Paul Ward, head of the test, replies that the results are yet to be fully analyzed but that, at various times throughout the test, deceptions were introduced. His preliminary conclusion, he said, is that it would be very difficult to carry out a covert violation of the agreement that could seriously affect military capabilities before being detected. Ward also points out that First Look's inspectors received only brief training, and that no intelligence information went into the analyses. Furthermore, he noted, it is doubtful that any region coming under an arms control agreement would normally have as much military traffic as there was in the 2000-square-mile training area in which the test took place.

In view of the state of the world today, it is doubtful that First Look is going to find any application in the near future. But at least it will be there in the files if the market for arms control turns upward.—D. S. GREENBERG

## APPOINTMENTS



G. A. Newkirk



J. A. Moxley, III

**Gordon A. Newkirk**, acting director of the National Center for Atmospheric Research's High Altitude Observatory, to associate director of NCAR and director of the observatory. . . . **John H. Moxley, III**, assistant to the dean of Harvard University Medical School, to dean of the University of Maryland School of Medicine. . . . **David S. Saxon**, professor of physics and dean of the division of physical sciences, University of California, Los Angeles, to vice chancellor of UCLA; also at UCLA, **Paul O. Proehl**, professor of law and director of the university's African Studies Center will become vice chancellor in charge of university relations and public programs. . . . **George G. Shor**, chairman of the geological research division of Scripps Institution of Oceanography, University of California, San Diego, will keep this position and also become associate director of Scripps. . . . **James W. Colbert**, director of the Advanced Planning Staff for the Surgeon General, Public Health Service, to associate director for Collaborative Research of the National Institute of Allergy and Infectious Diseases, NIH. . . . **Howard F. Helm**, director of the division of elementary and secondary education research in the Office of Education, HEW, to director of the Division of Educational Laboratories in the office. . . . **Leonard C. Mead**, senior vice president and provost, Tufts University, to Ford Foundation's adviser to the University of Delhi. . . . **Vernon J. Henry**, director of the University of Georgia Marine Institute, to program director of submarine geology and geophysics in the oceanography section of the division of environmental sciences, National Science Foundation. . . . **David A. Adams**, commissioner of the Division of Commercial and Sports Fisheries of North Carolina, to senior staff scientist for the National Council on Marine Resources and Engineering Development, Executive Office of the President. . . . **Roger J. Voskuyl**, former

president of Westmont College in California, to executive director of the Council for the Advancement of Small Colleges. . . . **Rex B. Conn**, professor of pathology and director of clinical laboratories, West Virginia University Medical Center, to director of the department of laboratory medicine, Johns Hopkins University Hospital. . . . **Charles H. Hendricks**, professor of obstetrics and gynecology, Western Reserve University School of Medicine, to chairman of the department of obstetrics and gynecology, University of North Carolina School of Medicine.

## RECENT DEATHS

**Franz Altmann**, 67; former clinical professor of otolaryngology at Columbia-Presbyterian Medical Center and president of the Ear, Nose and Throat section of the New York Academy of Medicine; 26 August.

**Henry A. Barnes**, 61; New York City's traffic commissioner; 16 September.

**Crane Brinton**, 70; noted author and professor of ancient and modern history at Harvard University; 7 September.

**Theodore G. Bernthal**, 64; chairman of the department of physiology at the Medical College of South Carolina, 1 September.

**William C. MacTavish**, 75; emeritus professor of chemistry at New York University; 14 September.

**Franklin C. McLean**, 80; emeritus professor of physiology at the University of Chicago; 10 September.

**George M. Moore**, 61; former chairman of the department of zoology at the University of New Hampshire; 19 May.

**Mark E. Parks**, 62; assistant professor of biology at Brooklyn College; 12 September.

**Rudolf Schindler**, 80; German-born inventor of the gastroscope and teacher of medicine in Chicago and Los Angeles; 7 September.

**John R. Skeen, Jr.**, 69; former professor of chemistry at Northern Virginia Community College; 25 August.

*Erratum:* In "Sakharov: Soviet physicist appeals for bold initiatives" (9 Aug. 1968) sentence 4, paragraph 3, page 558, "up to 100 Bev" should read "up to 1000 Bev."

*Erratum:* In the article, "The control of fertility" (p. 1261, 20 Sept.), the second sentence of the second paragraph, third column, should have read: "He will be followed by Sheldon Segal (Population Council) who will describe recent advances in fertility control involving hormonal agents, intrauterine devices and other procedures, some of which, under investigation in animals, have not yet been applied to human studies."