

dling animals and that painful experiments are sometimes unnecessarily performed. The airing of the issues, as well as congressional interest, has already had a beneficial effect in this respect.

The new emphasis on the care of research animals is denounced by the humane societies and antivivisectionists as a smokescreen for the painful experience of the dog actually under the knife, and they too have had a busy year. But the scientific community can argue that the dog may save a child, and it has found congressmen, whose own children may have benefited from such researches, easy to persuade. In sum, although there is still groping for a proper role for the government to play, it is clear that that role will not be a restrictive one, and that what it will be will not be decided in a hurry.—ELINOR LANGER

Announcements

A 2-year **exchange program** is scheduled to begin 1 February between the medical schools of Tulane University and the University of Antioquia, in Medellin, Colombia. The program will provide an opportunity for Colombian physicians to study for varying periods of time at Tulane, while Tulane faculty members will help conduct and advise the medicine teaching programs in Medellin. The exchange, supported by a W. K. Kellogg Foundation grant, aims to help the South American school to develop its department of medicine, and will supply clinical material in nutrition, hematology, parasitology, endocrinology, and general internal medicine for research projects.

Meeting Notes

The fourth international **photobiology** congress is scheduled 26–30 July, in Oxford, England. Seven sessions will be held, consisting of contributed papers on the following topics: basic photochemistry in relation to photobiology; photochemistry of nucleic acids, and its biological implications; human color vision; photoreception; photoenvironment; energy conversion and photosynthetic unit; micro-irradiation of cells. (Fourth International Congress of Photobiology, Blandford Site, Whiteknights Park, Reading, U.K.)

The National Academy of Sciences is seeking funds from U.S. government

agencies to provide travel grants to the meeting for U.S. scientists. Deadline for receipt of applications for these grants: *1 March*. (Miss Inger Hermann, Division of Biology and Agriculture, NAS, 2101 Constitution Ave., Washington, D.C. 20418)

Grants, Fellowships, and Awards

Travel grants are available for participation in the second international congress of **histochemistry**, scheduled 16–21 August, in Frankfurt, Germany. Deadline for receipt of applications: *1 March*. (M. Wachstein, Department of Biology, St. Catherines Hospital, Brooklyn 6, N.Y.)

The National Council to Combat Blindness is offering its 1964–65 Fight for Sight awards. Applications should include proposals for basic and clinical research in **ophthalmology**. Last year's awards included 71 grants and fellowships, totaling approximately \$250,000. Deadline for receipt of applications: *1 March*. (S. A. Mayers, The Council, 41 W. 57 St., New York 10019)

Approximately nine Guggenheim graduate fellowships in **rocket propulsion** and **jet structures development** are available for work at Princeton University's Guggenheim Laboratories for Aerospace Propulsion Sciences, the Guggenheim Jet Propulsion Center at California Institute of Technology, or the Institute of Flight Structures at Columbia University. Candidates must be residents of the U.S. or Canada and be interested in a career in astronautics, rockets, flight structures, or related disciplines; a B.S. degree is required. Each fellowship includes tuition and a stipend of up to \$2400. Candidates must apply directly to the school they wish to attend. Deadlines: for Columbia, *15 February*; for Princeton and Caltech, *1 March*. (Graduate School of each of the three institutions.)

Applications are being accepted for an institute in **anthropology**, scheduled 15 June to 21 August at the University of Colorado, Boulder. The program, conducted under an NSF grant, will be limited to 40 junior college and college teachers who must teach at least one course in anthropology, although their principal education has been in other disciplines. Participants will receive stipends and dependency and partial travel allowance; some dormitory hous-

ing will be available. Application deadline: *15 February*. (J. Kelso, Department of Anthropology, University of Colorado, Boulder)

Scientists in the News

At Texas A&M University:

Howard G. Applegate, formerly with the University of Arizona, has been appointed associate professor of plant sciences; and **Robert D. Powell**, formerly at the University of Florida, has become associate professor of plant physiology.

Harlan J. Smith, formerly associate professor of astronomy at Yale, has been appointed professor and chairman of the department of astronomy at the University of Texas, Austin, and director of the McDonald Observatory, Fort Davis. Operation of the observatory was transferred from the University of Chicago to the University of Texas, with both schools continuing to use it.

Wolfgang K. Berthold, formerly at Standard Elektrik Lorenz, AG, an associate of International Telephone and Telegraph in Nuremberg, Germany, has been appointed director of research for the ITT Industrial Laboratories Division, Fort Wayne, Ind.

Paul C. Tompkins, former chief of the U.S. Public Health Service's division of radiological health, has been appointed executive director of the Federal Radiation Council, Washington, D.C.

Gerrit Toennies, senior member emeritus of the Institute for Cancer Research, Philadelphia, has become research professor of microbial physiology at the medical school of Temple University.

George O. Clifford, formerly associate professor of medicine at Wayne State University, has become an associate professor of medicine at Cornell. **Fred H. Allen, Jr.**, who had been with the U.S. Naval Hospital, Chelsea, has joined Cornell as a clinical associate professor of pediatrics.

Erratum: In the report "Neurospora mutant lacking an arginine-specific carbamyl phosphokinase" by R. H. Davis [*Science* **142**, 1652 (27 Dec. 1963)], the last sentence of paragraph 1 should read: "Early in the orotic-acid pathway of pyrimidine synthesis it [carbamyl phosphate] is used in the carbamylation of *aspartate* to form ureidosuccinate, a reaction catalyzed by aspartate transcarbamylase (ATC)." In the original, *ornithine* was substituted for *aspartate*.