

NEWS OF TENNESSEE SCIENCE

Royal E. Shanks, Edward E. C. Clebsch, and H. R. DeSelm of the UT Botany Department presented an invitational paper entitled *Estimates of Standing Crop and Cycling Rate of Minerals in Appalachian Ecosystems*, in the Symposium on Cycles of Biology Important Elements in Ecological Systems, cosponsored by the Ecological Society of America, the American Society of Limnology and Oceanography, and the American Fisheries Society, at the AIBS meetings, Purdue University, August 30, 1961. Dr. Shanks is serving as Ecological Society representative on the Inter-Society Joint Committee on Agricultural Meteorology, and was responsible for the all-day symposium on Weather and Organisms jointly sponsored by the Ecological Society of America, Botanical Society of America, American Society of Plant Physiologists, and American Meteorological Society under the auspices of the Joint Committee of the AIBS meetings, August 28. Shanks, DeSelm, and Clebsch participated in the NSF-AEC sponsored First Symposium in Radioecology at Fort Collins, Colorado, September 10-15. Invitational papers were presented by Shanks and DeSelm, dealing with phases of their AEC Contract Project: Ecological Studies Related to the Movement of Radioactive Wastes.

The Southeastern Section of The Geological Society of America convened in Knoxville at the Andrew Johnson Hotel on Thursday, Friday and Saturday, April 13, 14, and 15. Sponsored by the Department of Geology-Geography, University of Tennessee, and the Tennessee Division of Geology, the program featured two days of technical papers with two concurrent field trips following on the third day, Saturday. Dr. H. J. Klepser of UT was Section Vice-Chairman and Program Chairman for the meeting, and Dr. R. E. McLaughlin of UT was Local Committee Chairman.

Dr. J. Gordon Carlson, Head of the Department of Zoology and Entomology at the University of Tennessee, gave two lectures on the Effects of Radiation on Cell Division at the Institute for Secondary School and College Science Teachers held at East Tennessee State College, Johnson City, June 12-August 4.

Dr. James N. Liles of the University of Tennessee Department of Zoology and Entomology has received a renewal one-year grant of \$9,300 from the U.S. Army Biological Laboratories to continue studies of longevity, aging, and productivity in *Aedes aegypti*.

Dr. Ronald C. Fraser of the UT Department of Zoology and Entomology has received a one-year grant of \$7,417 from the American Cancer Society to continue studies on immunization against tumors in mice.

BIOLOGY DIVISION — OAK RIDGE NATIONAL LABORATORY

Jurgen H. Franz has returned to the Radiologisches Institut der Universität, Freiburg, Germany, after spending a year in the Radiation Microbiology group.

Frank J. Finamore has returned to Southern Illinois University, Carbonale, Illinois, after spending a year in the Nucleic Acid Enzymology Group under a grant from the U.S. Public Health Service.

Tuneo Yamada, formerly of Nagoya University, Nagoya, Japan, has joined the staff of the Cell Growth and Reproduction Group.

Forrest C. Grimm, who has just completed a two-year Research Associateship in the Biology Division, has accepted a position with The Rockefeller Institute, New York.

Rea Marie Fulkerson, who has been associated with the Maize and Phage Group in the Cytology and Genetics Section, has accepted a position with the University of Hawaii, Agriculture Experiment Station, Honolulu, Hawaii.

Douglas Davidson, who has been associated with the Cytology and Genetics Section for the past three years, left the Division on August 18. Dr. Davidson has accepted a position with the Department of Botany, University of St. Andrew's, Fife, Scotland.

Edwin Powell Puckett, who has been associated with the Experimental Animal Facility during the summer months, left the Division August 18. Mr. Puckett will resume his teaching duties with the Oak Ridge Public School System this fall.

Alexander Hollaender attended the International Symposium on Tissue Transplantation at the Universidad de Chile, Santiago, August 30-September 2, and presented a paper on "Recent Developments in the Border Fields of Basic Biology." From September 3-9, he was in Lima, Peru, to consult with scientific investigators at the University of Peru, the Laboratorio de Investigacion de Cancer, and the Universidad Nacional Mayor de San Marcos.

Arthur C. Upton was in Lawrence, Kansas, September 5-9, to attend the International Symposium on "Effects of Ionizing Radiation on Immune Processes" and chair the session on "Antibody formation, genotypes, bone marrow, and irradiation." The Symposium was sponsored by the University of Kansas and the U.S. Atomic Energy Commission.

G. David Novelli also attended the Symposium at Lawrence, Kansas, and presented a paper on "The effect of ultraviolet and X-irradiation on the induced synthesis of beta-galactosidase in *E. Coli* and the relationship to antibody synthesis."

Charles C. Congdon was in Santiago, Chili, August 30-September 2, to attend the Symposium on Tissue Transplantation Problems at the Universidad de Chile and present a paper entitled "Changes in lymphatic tissues during foreign tissue transplantation." On September 3 and 4 he visited the Laboratorio de Investigacion de Cancer and the National University of San Marcos, Facultad de medicina, Lima, Peru.

Ernest H. Y. Chu attended the Second International Conference of Human Genetics in Rome, Italy, September 7-12 and presented a paper entitled "Chromosome studies in a family with four cases of a typical Mongolism." Dr. Chu was in France September 14-16 visiting the University of Paris and Laboratoire de Genetique Physiologique du CNRS, Gif-sur-Yvette. From September 18-20 he was in England visiting the following institutions: Medical Research Council, Radiobiological Research Unit, Harwell; Population Genetics Unit, Medical Research Council, Oxford; and Galton Laboratory, University College, London. Dr. Chu visited in Scotland from September 22-26 at the Institute of Animal Genetics, University of Edinburgh, and Western General Hospital, Edinburgh.