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Honors at Science Fair

(Continued from p. 311)

17, A. J. Kent H. S., Kentland, Ind., "Factors Influencing Growth of *Colpidium colpoda*," David C. Hill, 17, Grand Blanc H. S., Grand Blanc, Mich., "Discovery and Development of a New Series of Metal Organics," and Martin E. Walter, 17, San Jacinto H. S., San Jacinto, Calif., "3-Way Roulettes."

The Armed Forces Chemical Association awarded an engraved plaque and \$50 travel expenses to each of the winners of the summer jobs.

The U.S. Atomic Energy Commission gave certificates and trips to Argonne National Laboratory, Argonne, Ill., Aug. 13-17 to ten finalists: Ward D. Parkinson, 16, Blackfoot H. S., Blackfoot, Idaho, "Controlled Thermonuclear Reaction," Patricia Arlene Vickers, 17, Mt. Whitney H. S., Visalia, Calif., "The Kettleman Hills Formation," William E. Murray, Jr., 16, Walter Johnson H. S., Rockville, Md., "The Stability of Radioactive Equilibria," Jon Gardner Wilkes, 18, Hall H. S., Little Rock, Ark., "Studies in the Effects of and Protection from Ionizing Radiations," John Jay Vanden Hoek, 18, South H. S., Grand Rapids, Mich., "Nuclear Magnetic Resonance," Mary Ann Dieckmann, 17, West H. S., Waterloo, Iowa, "Determining Locus of Irradiated Mutant *Drosophila* 'bl-pt-rd,'" William Leonard Pickard, Jr., 16, Daniel C. O'Keefe H. S., Atlanta, Ga., "Radiobiologic Investigations of Contractile Activity and ATP-Induced Pinocytosis *in vitro*," Robert H. Timme, 17, Jesse H. Jones H. S., Houston, Texas, "Nutrient Passage Through Plant Grafts as Tested with Radioisotopes," John Taboada, 18, L. W. Fox Vocational and Technical H. S., San Antonio, Texas, "Cosmic Rays Studied with a Counter Controlled Cloud Chamber," and Charles Theodore Womack III, 18, Greenwood H. S., Greenwood, Miss., "Ascorbic Acid Synthesis Determinations as Indicated by Success of Rat-Guinea Pig Liver Heterograft." Each of these winners will designate a teacher who also will be honored with an expenses-paid trip. AEC alternate awards were presented to: Bill M. Murley, 17, Garrett H. S., Garrett, Ind., "The Effects of Irradiated Neoplastic Extracts on Carcinoma in Cottontail Rabbits," Donna Gene Hayes, 18, Maumee Valley Country Day School, Maumee, Ohio, "Experimental Study of Nuclear Structure," Malcolm May, Jr., 17, Greenwood H. S., Greenwood, Miss., "The Effects of Total Body Irradiation on the Longevity of Tissue Homografts in Rabbits," Richard Franklin Mooney, 17, Sperry H. S., Sperry, Okla., "Emission Studies of a Nitrogen Plasma," R. Andrew Hatfield, 17, Carlisle Sr. H. S., Carlisle, Pa., "A Combination 3 MEV. Neutron Source and Medium Energy X-ray Source," Alan Inglis, 17, Mandan Sr. H. S., Mandan, N. Dak., "Measuring the Mass of an Electron," Larry Robert Alexander, 16, Fort Jones H. S., Fort Jones, Calif., "Expansion-Type Cloud Chamber," Lewis T. Karriker, Jr., 18, South Rowan Sr. H. S., China Grove, N. C., "Comparative Determination of Radioactivity in Rowan County Soils," Joel Anthony Moser, 18, Longview H. S., Longview, Texas, "Van de Graaff Electron Accelerator," and Kenneth Linn Weaver, 16, Greeley H. S., Greeley, Colo.,

"Temperature Variation and the Effects of Radiation on Reproduction and Mortality."

The U.S. Navy designated ten Navy Science Cruisers and awarded them certificates and official Navy binoculars in addition to five-day science-oriented trips on Naval vessels and at USN research facilities. The Cruisers are: Ross Gregory Sisk, 17, Leon H. S., Tallahassee, Fla., "Astro-Navigation"; Richard Lee Falwell, 17, Walter Johnson H. S., Rockville, Md., "Spot Cycles of Jupiter and Saturn"; Ernest T. Comisac, 18, Tamaqua Area Joint H. S., Tamaqua, Pa., "Regulating Shock Waves"; Tomas Garza, 17, Dimmitt H. S., Dimmitt, Texas, "Radioactive Uptake of P³² in Animals and the Subsequent Recovery Period"; Ronald A. Gilson, 17, Marshalltown Sr. H. S., Marshalltown, Iowa, "Cytological Investigations of Interferon Stimulated by Influenza PR8"; Gerald Austin Stolz, Jr., 17, El Dorado Sr. H. S., El Dorado, Ark., "A Comparison in the Growth and Metastasis of Two Sarcomas"; Geoffrey F. Walker, 15, Lee H. Edwards H. S., Asheville, N. C., "The Plasma Torch"; Robert Karl Herman, 18, Conestoga Valley Sr. H. S., Lancaster, Pa., "An Electronic Syllable Analyzer"; William F. Orr, 17, Cherry Creek H. S., Englewood, Colo., "Analytic Geometry in N Dimensions"; and Bill M. Murley, 17, Garrett H. S., Garrett, Ind., "The Effects of Irradiated Neoplastic Extracts on Carcinoma in Cottontail Rabbits."

• Science News Letter, 81:309 May 19, 1962

GENERAL SCIENCE

President Sends Greeting To National Science Fair

► OUR CONTINUED PROGRESS in science and technology, so critical to our nation's strength, will depend on our success in preparing today the scientists and engineers needed for the future. The scientific interest and abilities of young students are therefore among the nation's most important resources.

On the occasion of the thirteenth annual National Science Fair-International, which does so much to recognize these resources and encourage their development, I am particularly pleased to cite the accomplishments of all the participants and to thank personally, on behalf of a grateful nation, their dedicated teachers.

I extend my best wishes to the Science Clubs of America for the success of the Fair.

JOHN F. KENNEDY.

• Science News Letter, 81:318 May 19, 1962

Questions

PHARMACOLOGY—What are the psychological ill effects of tranquilizers? p. 312.

SPACE—What is Titov's theory on the cause of the "Glenn effect?" p. 307.

TECHNOLOGY—What type of vehicle has been predicted for commuters in year 2000? p. 314.

Photographs: Cover, Science Service; p. 307, Aerojet-General; p. 310, Aluminum Company of America; p. 314, Sylvania Electric Products Inc.; p. 320 (top), Roberts Colonial House, Inc.; p. 320 (bottom), Dr. Eliot Porter.