

cards for dormitory rooms will be sent out with the program. Hotel reservations should be made directly with the Clinton and Ithaca Hotels.

Recent Deaths

Edward Godfrey Huber, 64, associate dean, Harvard University School of Public Health, died in Boston on 24 July. Dr. Huber had been acting dean of the School since 1942 and was named associate dean only a short time ago.

A. W. Rogers, 74, formerly director of the South African Geological Survey, died on 23 June at Cape-town.

George Alfred Olson, 71, formerly of the Agricultural Experiment Station, University of Wisconsin, died on 29 July at Madison.

Clement Samuel Brimley, 82, entomologist, North Carolina Department of Agriculture, died on 23 July in Raleigh.

Arturo Posnansky, 72, leading Bolivian archeologist of old Inca ruins, died on 28 July at La Paz, Bolivia.

Rolf Nugent, 44, economist and deputy chief of supply for UNRRA, drowned near Yokohama, Japan, on 27 July, according to an announcement by UNRRA. Dr. Nugent was on leave from Russell Sage Foundation and had been in Japan only a few weeks.

Cornelius Ubbo Ariens Kappers, 68, professor of comparative anatomy of the central nervous system at Amsterdam Municipal University, died on 29 July.

Clay B. Freudenberger, 42, former acting dean of the University of Utah Medical School, died on 28 May 1946 in Salt Lake City.

J. L. Baird, 58, well known for his work in the field of television, died on 14 June in England.

Charles C. Haworth, Jr., 31, physicist, died on 28 July as a result of a fall while mountain climbing in the Selkirk Range near Golden, British Columbia. During the war Dr. Haworth worked at The Johns Hopkins Institute of Applied Physics, Silver Spring, Maryland, and since 1 March had been with the Naval Ordnance Test Station, Inyokern, California.

Wilhelm Caspari, 72, head of the Department for Cancer Research at the Institute for Experimental Therapy in Frankfurt am Main from 1920 to 1936, died in 1944 in Lodz, Poland.

T. H. Laby, 66, former professor of natural philosophy, University of Melbourne, died recently in Australia.

Herbert Gastineau Earle, 64, director of the Henry Lester Institute of Medical Research, Shanghai, died at sea on 5 June after a stroke. Dr. Earle was formerly professor of physiology and dean of the Medical School at Hongkong University.

Letters to the Editor

History of a Three-color Mixer

The growth of apparatus, like the growth of ideas, is often hindered by the independent rediscovery of what has been done before. Often this is due to the description appearing in an obscure journal, and often the investigators fail to search adequately the more prominent journals.

Recently I found the same color-mixing apparatus described in three separate sources, none of which made any references to the others. The apparatus is a three-color mixer whose colors are mixed by the optical properties of two lenses. This rather ingenious device was filed with the U. S. Patent Office on 4 October 1928 by L. T. Troland (U. S. Pat. 1,971,737). The patent was assigned to the Technicolor Corporation and granted on 28 October 1934. The apparatus was again described in great detail in a manuscript by G. N. Hunter, dated 4 February 1929, which was submitted to the Royal So-

ciety of Edinburgh and published shortly thereafter (*Proc. roy. Soc. Edinb.*, 1929, 49, 232-244). The third description, by W. F. Grether, is fairly recent (*Science*, 1943, 98, 248). It too appears in some little detail.

The similarity between these three papers is striking. The methods of placing the filters, the mechanism for moving the filters, the position of the lenses, the position of the light sources, the position of the screens, the method of diffusion, and the general diagrams are almost exactly alike. Here is a remarkable example of similarity of independent invention.

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Social Theory and Social Engineering

The recent article by Bateson (*Science*, 1946, 103, 717) and the reply by Burhoe (*Science*, 1946, 104, 62) raise issues of such importance that some further discussion