of the Maryland Drydock Company in Baltimore. For several years he has been active in the work of the Industrial Mineral Division of the American Institute of Mining and Metallurgical Engineers.

Dr. Meyerhoff has served the Association as secretary of the Section on Geology and Geography from 1937-1940, and as executive secretary in 1945-46. He was also vice president in 1944. He plans to continue his academic duties at Smith College until June 1949, although he will take office in January, when Dr. Moulton retires.

Science News Letter, September 25, 1948

Letters To The Editor

New Clotting Factors

For the sake of historic accuracy concerning the discovery of new clotting factors (SNL, Sept. 4), it should be mentioned that in 1943 I discovered a hitherto unknown factor essential for prothrombin activity (AMERICAN JOURNAL OF PHYSIOLOGY, *140,* 212, 1943) which undoubtedly is the same as the agent Dr. Paul A. Owren of Oslo, Norway, found one year later. In addition to this substance which I named the labile factor I have subsequently presented evidence that two additional factors are essential for prothrombin activity (AMERICAN JOURNAL OF PHYSIOLOGY, *151,* 63, 1947).—Dr. Armand J. Quick, Professor of Biochemistry, Marquette University School of Medicine.

Rainbows within Rainbow

In the Colorado River Valley area numerous rainbows are seen during the spring and summer.

On Aug. 5 at 6:45 p. m. MST, my wife, family and I were attracted by a particularly bright rainbow. This rainbow was a conventional bow with red outside and green inside. However, three smaller concentric contiguous rainbows were inside the main rainbow. In addition, an inverse rainbow with green outside and red inside could be seen plainly about 15 degrees outside the main rainbow.

The brightness of the bow decreased considerably in the few minutes that my daughter spent looking for my movie camera loaded with color film, so no photographs were taken.

Is such a sight unusual? What conditions must exist for these rainbows to be seen?—Tell Ertl, Rifle, Colo.

What a pity you did not get that camera in time as such a gorgeous array of rainbows — primary, secondary and several supernumerary bows—are seldom seen. Dr. W. J. Humphreys, formerly of the U. S. Weather Bureau, reports that he has seen supernumerary bows both inside the primary bow and outside the secondary one. He has spotted as many as half a dozen, crowded close together, inside the major rainbow. For such a spectacular display, Dr. Humphreys says the sunlight must be exceedingly bright and the rain heavy, but clear air between you and the rainbow.

On This Week's Cover

➤ IN COMMEMORATION of its centennial, the American Association for the Advancement of Science was offered congratulations from many foreign countries. On the cover Sir Oliver Franks, the British Ambassador, is shown offering a scroll from the British Association for the Advancement of Science to Dr. Edmund W. Sinnott, president of the association, on the opening evening of the week-long session. Seated left to right in the first row on the platform are: Dr. Harlow Shapley, Director, Harvard College Observatory, Cambridge, Mass., retiring president of the A. A. A. S.; Dr. Elvin C. Stakman, University of Minnesota, president-elect 1949; Dr. E. U. Condon, Director, National Bureau of Standards, Washington, D. C.; and Dr. F. R. Moulton, Administrative Secretary, A. A. A. S., Washington, D. C.

Science News Letter, September 25, 1948

Television receivers may have interference from unwanted television stations, other radio stations, medical diathermy machines, other television receivers in the vicinity, and the ignition systems of motor vehicles.

Question Box

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For what reason may streptomycin fail against lung TB? p. 200

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What explanation is offered for the differences in people? p. 195.

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Photographs: Cover, p. 195, p. 197, p. 199, Fremont Davis.

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