of hurried physicians is foreseen in a report just issued here in collaboration with the Board of Economic Warfare and Department of Commerce.

Only about a third as much quinine would be required to complete treatment of a hundred typical cases as compared to the standard treatment. This amounts to a saving of over 50,000 grains. Treatments would require 48 fewer days.

The hydrochloride form of quinine was most used by Dr. Hamilton and his associates. It does not upset the soldier's stomach as readily as other forms. The tablets also are not likely to harden into pellets that remain unabsorbed by the body, as occurs with quinine sulfate in tropical climates.

Quinine hooked onto hydrogen and chlorine atoms can also be taken either by mouth or injection.

"Experience in the Philippines and in Santo Domingo tends to indicate that the danger of using the intravenous route for administering quinine has been over-stated in standard textbooks," Dr. Hamilton declares.

Although preferring quinine, Dr. Hamilton also evaluates the use of other antimalarials. For cinchona bark, from which we get quinine, cannot supply all the antimalarial units needed during the war. Cinchona, or "Jesuit's Bark", obtained from South America does not contain as much quinine as that from Jap-held territory. But other components from this bark with antimalarial action can be inexpensively and efficiently extracted to augment our supply of antimalarials.

The Transmission of Plasmodium Lophurae, An Avian Malaria Parasite, By Anopheles Quadrimaculatus

By Herbert S. Hurlbut

and

Redginal Hewitt

This article is published in Public Health Reports, Volume 57, Number 50, December 11, 1942.

Science in 1942

Science

Vol. 97, No. 2507

January 16, 1943

28,585 cases of jaundice, with 62 deaths, occurred in the Army among men vaccinated with certain batches of anti-yellow fever vaccine but following a change in the method of producing the vaccine and restriction of its use to men destined for service in yellow fever endemic areas, cases of the jaundice stopped.

Your attention is directed to Science of December 11, 1942, in which T. D. V. Cockerell, Citrus Experiment Station, Riverside, California reviews F. W. Edwards new book "Mosquitoes of the Ethiopian Region." III. Culicine adults and pupae. Mr. Cockerell says "Its 499 pages include descriptions of all the species, many illustrations, and very interesting comments on species and varieties, geographical distribution and taoi topics with regard to distribution".

In "Time" of February 1, 1943, there appeared on page 40 some very interesting comments about malaria, anti-
malarial chemicals, and their use. The chemicals discussed are quinine, atabrine, plasmochin and tosaquine.

PERSONAL NOTES

From Science Magazine, January 29, 1943:

Dr. William R. Herms, professor of parasitology and head of the Division of Entomology and Parasitology of the University of California, has been called to active duty by the War Department as Lieutenant-Colonel in the Sanitary Corps. He has been a Reserve Officer since 1924 and has been called for duty at the Army Medical Field Service School, Carlisle Barracks, Pennsylvania. He will be
Mosquito News

Instructor in tropical medicine, having specialized in work on malaria, typhus fever and other diseases of the tropics, Professor E. O. Essig, Professor of Entomology, will act as head of the division during Professor Herm's absence.

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Earl D. Potter, formerly with the Middlesex County (N.J.) Mosquito Extermination Commission and more recently with the U. S. Public Health Service at Columbia, S. C., was drafted and entered the U. S. Army in January, 1943. He is stationed at Camp Gordon, Augusta, Georgia.

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Capt. John W. Scott of Union County, N. J. is now stationed at Camp Phillips, Kansas.

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Major Louis Stearns, Delaware and past-president of our Association has written interesting letters from "Somewhere close to the front".

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Lieut. Robert Armstrong, Mass. is stationed at the First Service Command Laboratory, Jamaica Plain, Mass. Lieut. Armstrong has requested articles on "Experimental Work done with micronized paris green on Aedes larvae" and "Use of chloropicrin emulsion (larcide emulsion) on mosquito larvae in general". Any information on these two topics will be welcomed by the Committee on Publication and will very likely be of help to Lieut. Armstrong.

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