

### RARE CHEMICALS

THE following chemicals are wanted by the National Registry of Rare Chemicals, Armour Research Foundation, 33rd, Dearborn and Federal Streets, Chicago, Ill.:

1. Quinoline 2 Carboxylic Acid (Quinaldic Acid)
2. 2,4,5,7-Tetranitro-1,8-dihydroxyanthraquinone
3. Tetraphenyl arsonium chloride
4. Salicylanilide
5. Salicylchloride
6. 5,15 dihydroxy palmitic acid
7. Tetramethylene Glycol
8.  $\beta,\beta$ -Dialkylphenylethylamine or its derivatives
9. Lead Tetra-acetate
10. 1-3 Cyclohexadiene
11. 1-4 Cyclohexadiene
12. Purpurogallin
13.  $\beta$ -Cyclocitral
14. Lead Catechol (1 lb.)
15. Myricin
16. o-Hydroxy Phenyl Mercuric Chloride
17. Cholestenone
18. Glyoxylic Acid

### EXPEDITION EXHIBITION OF THE NEW YORK ZOOLOGICAL SOCIETY

IN the Zoological Park the New York Zoological Society has opened a two months' exhibition of the methods of initiating and carrying on a scientific expedition to the tropics. It represents the work of the Department of Tropical Research, and was prepared by the director, Dr. William Beebe, and Jocelyn Crane, research zoologist. It is concerned with the forty-third expedition of the department, which spent seven months in the field at Caripito, Venezuela.

Among the exhibits shown are lists of materials, methods of transportation and complete outfits for shooting, photographing and observing; all the steps from the capture of a *Urania* moth to its final publication as a color plate; and from the excavation of Cichlid fish from mud in the dry season to their incorporation in a technical article in *Zoologica*; the flocking of thousands of moths to the gigantic Standard Oil flares in the jungle; various uses of color and pattern in wild jungle life and an exhibit of old volumes dealing wholly or in part with wild creatures in Venezuela and Guiana, such as original Linnaeus, Sir Walter Raleigh, Ulloa, Humboldt, Merian, Stedman and Röhl.

An important section of the exhibit is a series of cases under the heading: "Are You Lost in the Jungle? Whether you are Scientist or Soldier, your Problems are the Same." Then follow three divisions: "Are You Afraid? Are You Hungry? Where is Camp?"

Here, supposing that the soldier or scientist has nothing but his bare hands, actual specimens or pho-

tographs and elaborate labels demonstrate his real and imaginary dangers, from *Anopheles*, perai fish, bushmasters and water buffalo, on the one hand, to tarantulas, false coral snakes, vampires and electric eels on the other. Also are shown deadly stagnant and clear jungle water, safe twice-boiled or chemically purified water and potable frog juice.

Under the hunger section is an exhibit of edible creatures from grubs to manatees which can be caught with the bare hands, together with possible foods, such as termites, snails, lizards and snakes, with methods of preparation for eating raw or cooking.

The more simple means for finding one's way when lost are demonstrated, such as use of the sun, Southern Cross, butterfly migration and the circling of a handkerchief on a tall sapling.

W. B.

### BOTANICAL SURVEY OF THE ALCAN HIGHWAY

DR. HUGH M. RAUP, of the Arnold Arboretum of Harvard University, and party left Boston on May 30 for a summer's work in the field along the Alcan Highway. The party consists of Dr. and Mrs. Raup and their two children; Dr. Donovan S. Correll, a member of the staff of the Botanical Museum, Harvard University, assistant botanist, and Dr. Charles S. Denny, of Wesleyan University, geologist.

This is Dr. Raup's ninth expedition to northern Canada. The objective is a general botanical survey of the Alcan Highway, which has opened up vast areas that have never been explored botanically. Particular attention will be given to the description of immediately usable botanical resources in the vicinity of Army posts and in areas of potential settlement. The field work is being done with the cooperation of the National Museum of Canada, the Joint Economic Committees, Canada-United States, and the Army Authorities.

Field expenses of the party are covered by grants from the Milton Fund of Harvard University, the General Purpose Fund of the American Academy of Arts and Sciences, the Bache Fund of the National Academy of Sciences, the Penrose Fund of the Geological Society of America and from the general income of the Arnold Arboretum.

E. D. MERRILL

### THE OPTICAL SOCIETY OF AMERICA

THE twenty-eighth annual meeting of the Optical Society of America, according to the preliminary announcement, will be held in Pittsburgh, Pa., on October 7, 8 and 9. The program will include symposia on spectroscopy, spectrochemical analysis and astronomy, in addition to the usual contributed papers.

A conference on spectroscopy and its applications

has customarily been held at the Massachusetts Institute of Technology during the month of July. Because of the continuous schedule under which the institution is now operating and the additional courses being offered for Army and Navy personnel, the facilities will not be available for a conference this summer. Arrangements are therefore being made for symposia and contributed papers on spectroscopy and related topics at the annual meeting of the society.

A midwest conference on spectrochemical analysis has been held for several years during the late spring. Tentative arrangements for a meeting this year at Columbus, Ohio, were made many months ago. When the plans of the Optical Society became known to the sponsors of this Columbus meeting, it was decided, in the interest of minimizing travel under war conditions, to cancel the plans for the Columbus meeting and to encourage the authors of papers to present them at the Pittsburgh meeting. The program committee has planned a symposium of papers on "Optics in the Field of Astronomy," the details of which are not yet

available. As usual, opportunity will be provided on the program for the reading of contributed papers of general optical interest.

Because of wartime regulations governing the publication of abstracts containing material in the restricted, confidential or secret categories, it is necessary for abstracts to be cleared before the program can be released for publication. The secretary will undertake to obtain clearance of all abstracts received prior to September 1. On the other hand, it is desirable that authors submit abstracts as soon as possible in order that time may be provided for corrections or deletions by the authors if found necessary.

The meeting will be open to non-members as well as members of the society, and those interested are cordially invited to attend. Non-members who desire to receive the advance program or other information in regard to the meeting should address their requests to Arthur C. Hardy, Secretary, Optical Society of America, Massachusetts Institute of Technology, Cambridge 39, Mass.

## SCIENTIFIC NOTES AND NEWS

BIRTHDAY honors of the King of England include Knighthood conferred on the Astronomer Royal, Dr. H. Spencer Jones, and on Dr. George Paget Thomson, professor of physics at the Imperial College of Science and Technology. Sir John Fraser, regius professor of clinical surgery at the University of Edinburgh, was made a baronet.

DR. BERNARD ALBERT HOUSSAY, professor of physiology at the University of Buenos Aires, and Dr. Victor Moritz Goldschmidt, professor of mineralogy and geology at the University of Oslo, on May 20 were elected foreign members of the Royal Society, London.

DR. ELLIOTT PROCTOR JOSLIN, professor emeritus of clinical medicine of Harvard University, has received the distinguished service medal and award of the American Medical Association.

A TESTIMONIAL dinner was accorded to Dr. Herbert M. Evans, Morris Hertzstein professor of biology and director of the Institute of Experimental Biology, on June 4, by members of the medical and other faculties of the University of California in celebration of his sixtieth birthday. The celebration was held at the Bohemian Club, San Francisco, under the chairmanship of Dr. William J. Kerr, professor of medicine. On this occasion presentation was made of an anniversary volume published by the University of California Press, "Essays in Biology," containing forty-eight scientific contributions from pupils, associates and friends representing the physiology of reproduc-

tion, endocrinology, nutrition and the history of medicine and science. The publication was planned before the present world war and the participants are leading foreign and American workers in their respective fields.

DR. HUGH S. CUMMING, surgeon general, retired, U. S. Public Health Service, is the recipient of new honors. According to the *Harvard Alumni Bulletin*, recently at the Mexican Embassy in Washington, Dr. Victor Fernandez Manero, national director of health of Mexico, conferred on him in behalf of the President of Mexico the decoration, Doctor Eduardo Liceaga. At the invitation of the Government of the Dominican Republic, Dr. Cumming lately went to that country to advise the public health authorities of the Republic on matters of health and sanitation. While in Ciudad Trujillo, the President of the Republic, General Rafael Trujillo, conferred upon him the decoration, Orden del Merito, Juan Pablo Duarte. During his visit there Dr. Cumming was made an honorary professor of the University of Santo Domingo, the oldest university on the Western Continent. He was also made an honorary member of the Medical Society of the Dominican Republic.

DR. DAVID RUSSELL LYMAN, of Wallingford, Conn., was presented with the Trudeau Medal for 1943 at the St. Louis meeting on May 5 and 6 of the National Tuberculosis Association.

AT the commencement exercises of Syracuse University, the Arents Medal for distinguished achieve-