

## Field Museum of Natural History

Founded by Marshall Field, 1893  
Roosevelt Road and Field Drive, Chicago

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### FIELD MUSEUM NEWS

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Field Museum is open every day of the year (except Christmas and New Year's Day) during the hours indicated below:

November, December, January, February	9 A.M. to 4 P.M.
March, April, September, October	9 A.M. to 5 P.M.
May, June, July, August	9 A.M. to 6 P.M.

Admission is free to Members on all days. Other adults are admitted free on Thursdays, Saturdays and Sundays; non-members pay 25 cents on other days. Children are admitted free on all days. Students and faculty members of educational institutions are admitted free any day upon presentation of credentials.

The Museum's natural history Library is open for reference daily except Saturday afternoon and Sunday.

Traveling exhibits are circulated in the schools of Chicago by the N. W. Harris Public School Extension Department of the Museum.

Lectures for schools, and special entertainments and tours for children at the Museum, are provided by the James Nelson and Anna Louise Raymond Foundation for Public School and Children's Lectures.

Announcements of free illustrated lectures for the public, and special lectures for Members of the Museum, will appear in FIELD MUSEUM NEWS.

A cafeteria in the Museum serves visitors. Rooms are provided for those bringing their lunches.

Chicago Motor Coach Company No. 26 buses go direct to the Museum.

Members are requested to inform the Museum promptly of changes of address.

### MEMBERSHIP IN FIELD MUSEUM

Field Museum has several classes of Members. Benefactors give or devise \$100,000 or more. Contributors give or devise \$1,000 to \$100,000. Life Members give \$500; Non-Resident Life and Associate Members pay \$100; Non-Resident Associate Members pay \$50. All the above classes are exempt from dues. Sustaining Members contribute \$25 annually. After six years they become Associate Members. Annual Members contribute \$10 annually. Other memberships are Corporate, Honorary, Patron, and Corresponding, additions under these classifications being made by special action of the Board of Trustees.

Each Member, in all classes, is entitled to free admission to the Museum for himself, his family and house guests, and to two reserved seats for Museum lectures provided for Members. Subscription to FIELD MUSEUM NEWS is included with all memberships. The courtesies of every museum of note in the United States and Canada are extended to all Members of Field Museum. A Member may give his personal card to non-residents of Chicago, upon presentation of which they will be admitted to the Museum without charge. Further information about memberships will be sent on request.

### BEQUESTS AND ENDOWMENTS

Bequests to Field Museum of Natural History may be made in securities, money, books or collections. They may, if desired, take the form of a memorial to a person or cause, named by the giver.

Contributions made within the taxable year not exceeding 15 per cent of the taxpayer's net income are allowable as deductions in computing net income for federal income tax purposes.

Endowments may be made to the Museum with the provision that an annuity be paid to the patron for life. These annuities are guaranteed against fluctuation in amount, and may reduce federal income taxes.

## SEWELL AVERY SPONSORS FOUR EXPEDITIONS

Through the generosity of Mr. Sewell Avery, a Trustee of Field Museum, funds have been provided for sending four expeditions into the field during 1938.

The first of these left Chicago on June 18 to collect specimens for use in physical geology exhibits. Work is under way in northern Colorado, and later activities will be transferred to New York, Connecticut, Massachusetts, Rhode Island, and possibly other eastern states. This expedition is being conducted by Mr. Sharat K. Roy, Curator of Geology, and is a continuance of the field work of this type in which he was engaged last year. Mr. Roy will collect specimens illustrating the work of various dynamic agents, such as wind, running water, moving ice, volcanic activities, and other phenomena, and also structural geology specimens illustrating the nature, properties, relations and positions of the component rock masses of the outer part of the earth.

On July 15, Mr. John R. Millar, Curator of the N. W. Harris Public School Extension, will leave for Nova Scotia where he will make studies and collect material for the Department of Botany (of whose staff he was formerly a member). The prime object is material for an exhibit representing the submerged vegetation of the northern Atlantic waters. Owing to the extreme tidal conditions prevailing in the Bay of Fundy, where the difference between high and low water levels reaches as much as fifty feet, it is expected that this will prove to be an exceptionally favorable locality for collecting the kelps and other marine plants it is proposed to show in one of the new ecological groups in the Hall of Plant Life.

Early in September, Mr. Emmet R. Blake, Assistant Curator of Birds, will sail for British Guiana. At Georgetown he will charter an airplane to take him and two native assistants 600 miles inland to the headwaters of the Corentyne River, on the southernmost boundary of the country, close to the frontiers of Dutch Guiana and northern Brazil. This region, entirely uninhabited by human beings, is almost totally inaccessible except by air. At certain seasons it may be reached by river travel with special boats manned by large crews. The water trip, however, requires about five weeks, whereas by airplane it may be made in four hours. The area has never been worked before from a biological standpoint, and Mr. Blake will seek a representative collection of its vertebrates, including birds, mammals, reptiles and fishes. The airplane will return to its coastal base leaving Mr. Blake entirely out of contact with the outside world for about four months, except for one or two return flights to deliver supplies.

A botanical expedition to Guatemala will be conducted by Mr. Paul C. Standley, Curator of the Herbarium, who will leave Chicago about the beginning of November. It is planned to spend approximately five months in the field, gathering herbarium material, for use in preparation of a flora of Guatemala, similar to that of Costa Rica which is now in course of publication. Guatemala's vegetation is more varied in type than that of any other Central American country, although not so rich in species as that of Costa Rica. It includes alpine meadows, mountain forests of fir and pine, much rain forest where orchids and other epiphytes abound, and an extensive cactus desert. It is planned to visit as many as possible of these distinct regions, with the

expectation of obtaining many plants new to the country, and some that are quite unknown to science.

All of these expeditions are being completely financed by the sponsor, Mr. Avery, and will be known as the Sewell Avery Expeditions of 1938. The Museum is deeply indebted to Mr. Avery for making possible this much needed field work, which is expected to fill serious gaps in the collections of each of the Departments concerned.

### Raymond Foundation to Present Summer Programs for Children

Beginning Thursday, July 7, and continuing each Thursday morning up to and including August 11, the James Nelson and Anna Louise Raymond Foundation for Public School and Children's Lectures will present a summer series of free motion picture programs for children. These will be given at 10 o'clock in the James Simpson Theatre of the Museum. In addition to educational films on natural history and other subjects, a special feature of most of these programs will be talking animated cartoons in color by Walt Disney. No tickets are needed for admission, and children from all parts of Chicago and suburbs are invited. Enclosed with this issue of FIELD MUSEUM NEWS is a program giving the titles of the films to be presented on each date.

### Leaflet on Chicago Birds

For the benefit of bird lovers, a leaflet, *Haunts of Birds in the Chicago Region*, has been prepared by the Chicago Ornithological Society, and published by Field Museum Press. It provides a guide to recommended field trips, giving the best localities for observing birds, the kinds of birds which frequent each, and the various routes for reaching them. Favorite spots within the city, as well as suburban areas north, west and south, are covered. Accompanying each copy is a map, furnished by the Cook County Forest Preserve District, showing the most interesting forest preserves. Information in the leaflet was compiled by the Field Committee of the Ornithological Society, of which Mr. Karl E. Bartel is chairman. Copies are available at 15 cents each in The Book Shop of Field Museum.

### The Indian Rhinoceros

One of the outstanding habitat groups in William V. Kelley Hall (Hall 17) is that of the Indian rhinoceros. Specimens for the preparation of this group were collected by Colonel and Mrs. Theodore Roosevelt, and Mr. and Mrs. Kermit Roosevelt, on the James Simpson-Roosevelts Asiatic Expedition of 1925-26. The larger of the two animals was shot by Mrs. Kermit Roosevelt.

The animals in the group appear amid a reproduction of their natural environment, one of them standing in swamp mud. Around them rises the high grass typical of the country, and the background gives an effect of the swampy plains in the Province of Nepal, stretching off for many miles.

The Indian rhinoceros differs from those of Africa (of which the so-called "white" species is shown in Akeley Memorial Hall) in having only one horn, and in having its thick skin divided into great shields by deep folds. The horn is present in both sexes, and is relatively small, usually not more than twelve inches in length. While the animals are usually comparatively inoffensive, they will sometimes charge furiously if harassed.