

MUSEUM SERVICE

Bulletin of the
Rochester Museum of Arts and Sciences

VOL. 36 NO. 3 • March 1963



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Volume 36

March 1963

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Rochester Museum of Arts and Sciences — *Dedicated to a Better Understanding of the Laws of Nature and the Cultural Achievements of Mankind* — is administered by the Municipal Museum Commission for the City of Rochester.

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COVER PICTURE . . .

One comprehends a sense of mystery in the stillness of the shadow and light captured in black-and-white by Carleton Burke, Fellow of Rochester Museum and Honorary Curator of Photography. There is poetry and beauty in every season, but each season speaks a different language and reflects a different light. There is a changing pattern in the wonders of nature which Mr. Burke sensitively interprets in an article in the following pages on "Winter Light."

ISRAEL AND ITS CULTURE

Tiny Israel with a land area of only 8,000 square miles, which is a trifle over that of the State of New Jersey, holds the imagination of world neighbors because of the pioneering spirit of its people. Visitors are impressed to learn that its population has increased three-fold in its fifteen years of existence. It should be particularly noted that with the hundreds of thousands of new permanent settlers flocking into the country, representing dozens of ethnic groups and speaking some 70 different languages, it has been highly essential to unify the cultural standards of its citizens, to blend into one nation the oldtimers and the immigrants. For these reasons, as well as many others, there is great emphasis on culture in Israel.

One sees this strong cultural element appearing in innumerable forms. A deep interest in the fine arts is manifest throughout the land. Modern architecture has made its impact especially in the large cities. Hundreds of professional graphic artists work, not only in the well-known art colonies, but are found on the collective farms, the *kibbutzim* and *moshavim*. Music, the drama and the dance are all widely popular, not only as evidenced by large attendance at concerts, theaters and dance performances, but by the widespread amateur participation in these lively arts. But one very significant proof of cultural ferment and support is in the popularity of museums.

Proportionately, there are probably more museums in Israel than in any other country of the world. At present, there are approximately 60 in this small country, eighty per cent of which have been established since 1948. One factor which undoubtedly accounts for this is that the archeological background of the land is rich with sixteen different historical epochs. But by no means are all these museums dedicated to pre-historic and historical aspects of the region. There are museums of the fine arts, of ethnography, natural history, and even individual museums so specialized as to be devoted exclusively to ancient glass, maritime history, coins and the folk lore of the shepherd.

Devoted as they are to their own land, the Israelis also are desirous of knowing more about other lands and other cultures. For that reason, the Rochester Museum of Arts and Sciences is proud to sponsor an exhibit on the arts and crafts of the Iroquois Indians which is now on display in the City of Haifa, and for a year will tour through several other cities of Israel. To reciprocate and to effect an international cultural exchange, our Museum, on March 21, will open an exhibit, "Israel and Its Culture" which will be on display until September 1.

W. STEPHEN THOMAS, *Director*

Courses for Adults

Nature courses for adults to meet exacting needs are offered through the spring months.

Two new non-credit courses will be presented in cooperation with the University School of the University of Rochester. "Research and Ornithology," a course designed to provide the layman with information concerning recent research in the study of birds, begins Saturday, March 9, at 2 p.m. Most classes will meet in Elizabeth Hoyt Hall on the River Campus. "Nature and the Child" consists of eight indoor meetings on resources in nature relating to children's interests. This course will be given at the Museum on Wednesday afternoons from 1 p.m. to 2:30 p.m., starting April 3.

The annual popular Adult Bird Spotters Courses are again presented in seven sessions, with indoor meetings for beginners at the Museum on Monday evenings at 8 p.m., from March 11 to April 22. The Field Course is given in Rochester City and County Parks on Wednesday mornings from 6:30 to 8 a.m. and on Saturday mornings from 6:30 to 9 a.m., from April 6 to April 27.

"Nature Leaders Institute" from April 29 through May 18, accents the theme *Interpreting Nature with a Simple Camera* with an introduction to techniques and sources. Three are indoor sessions at the Museum and three are field trips to area parks.

Four indoor (laboratory) and three outdoor (field) lessons will be given in the Flower Spotters Course to begin on May 8. The indoor course will be held at the Museum at 8 p.m. and field trips will start at 6:30 p.m.

Artist-Preparator Retires

William F. Fraatz, who has served the Rochester Museum of Arts and Sciences faithfully and conscientiously for 28 years as a member of its staff, retired on January 31.

The Museum Board of Commissioners, in a Resolution, expressed its gratitude and appreciation of his long and fruitful term of service which covered a wide range in the field of design and illustration, and the installation of hundreds of special exhibitions and displays.

At a dinner party, given by members of the staff, tributes were paid to him by representatives of the Rochester Museum Hobby Council and the Women's Council of the Rochester Museum Association. A Certificate of Merit was presented by the Museum director.

Architectural drawings, lettering, drawings for engravings, engrossings and historical maps are among the contributions rendered by Mr. Fraatz. He designed and illustrated many books and publications, and demonstrated broad artistic talents.

He has been a charter member of the Rochester Museum Hobby Council, and served as its secretary from 1935 to 1950. He designed, produced and managed hobby shows and he also served as consultant and judge for various organizations.

Mr. Fraatz lectured on the field of hobbies and its value as an avocational interest before such groups as the University Club, Kiwanis Club, Rotary and Lions Clubs, Parent-Teacher, library and church groups.

Besides his outstanding performance, we shall miss his cheerful attitude not only in his work but with his fellow associates.

Winter Light

By Carleton Burke, F.R.M., *Honorary Curator of Photography*

BY THE BEGINNING OF MARCH winter will be almost over, yet the cold can crack the trees in deep woods, ice can be thick in ponds and snow mount up and be blown into spectacular forms where lonely roads and ridges beckon Winter Wanderer to brave the chill and go exploring. Not always does the winter light fall upon the day scenes with leaden ambience. Many afternoons are brilliant with clear sunshine, and in it the forested hills reveal their patterns and color masses in photographic black-and-white. Then, as the shadows lengthen and the sun begins to set, those hills turn more and more toward the peculiar purple that, an artist will tell you, is the true color of a winter landscape. Rose light of the western sky mixes with the blues and grays of eastern hills where snow-laden pines and hemlocks here and there add spots of green relief. Where is the color-promise, the faintest glimmer of spring?

And always in this winter light there lurks that grim spectre, that ghost presence: the ancient great ice-beast. You feel it as you gaze across a wind gusted snow field and mark the tiny sastrugi, wave-like ridges simulating what once were giants in this place. You sense it in the apparent desolation and death of living things which is but asleep. You see it in microspect where a sharp snowdrift makes up a small cliff with compacted ice crystals at its base upon brown dirt and stones: for all the world the prototype of a towering glacier whose icy boot disturbed these very hills, whose rock-shod heels gouged and scarred these valleys. Beguiling light plays Merlin historian to the imaginative Winter Wanderer's eye: the semblance of past events returning in the light of present things—in winter light.

Here in this place a very short geological time ago were vistas and scenery unrivaled elsewhere in the world. Here where the valley farmers' crops lie thinly mantled from November into April, the mountain towering glacier melted into fiords like those of Norway today; it calved gigantic icebergs that swirled and bored deep kettle holes in the earth; its meltings rushed pell-mell over escarpments and through courses already gouged by its advances and gorged by the waters of its retreats.

What summer sun, what winter light played on this mad-cap scene?

The immense true picture has vanished, yet a semblance of it lingers over all this land. Its hills, valleys, lakes, rivers, ponds and waterfalls remain, except for erosion, a natural legacy to be used, to be cared for and enjoyed.

For a Winter Wanderer this is the postlude of one age and the prelude of another. This is a season combining what has fled with what will return. That low-limbed pine whose green needle reaches to the glinting light, whose cone shines jewel-wise in the sun, should have a bird somewhere among its branches. And sure enough, the cardinal red-bird breaks with life the monotony of a dull and silent world. A flash of color in the sun; and though he does not even call his "cheer"—"cheer"—"cheer," the woods begin to

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Industrial Exhibits for Rochester's Schools

By Gloria C. Gossling, *Head, School Service Division*

IT BECAME EVIDENT as early as 1948 that there was a great need in the schools for circulating exhibits giving information about Rochester industries. The public school social studies curriculum for intermediate grades includes studies of the relationships of industries to the local and world community. The curriculum attempts to teach the interrelationships which make us dependent upon other parts of the United States and the world, and their dependency upon us.

As a result of this deeply felt need, Miss Marion R. Peake, then head of school service division, met with representatives of a number of companies to enlist their aid in preparing circulating exhibits depicting their respective industrial processes and products. Some exhibits were made by the companies themselves. They were put into circulation and received hard use in the area schools for a number of years.

Ten years later, in 1958, these exhibits had begun to show signs of wear and grew outmoded. Hence, a luncheon meeting was called so that executives of local industries could be informed of new materials needed.

Mrs. Verner C. Kreuter, Jr. and Mrs. Frederic S. Welsh, Jr., members of the Junior League and the Women's Council of the Rochester Museum Association, volunteered their services as liaison between the school service division and various industrial firms. They made contacts with representatives of local firms, conferred with them on techniques, checked progress of exhibits underway and arranged for the transfer of exhibits to the Museum when completed. As a result of their dedicated efforts, eleven fine new exhibits depicting Rochester industries were put into circulation in 1958 and 1959.

Now, after four years of intensive use, many of these exhibits are ready for refurbishing. One exhibit given by Bausch & Lomb Incorporated has been completely renewed and updated. It shows how Bausch & Lomb is currently producing optical materials for space age research. Another exhibit by Eastman Kodak Company will shortly be revised and improved, thus helping the Museum to offer loan materials to the schools which are always current and fresh.

In order to augment these loan materials provided by industry, fifteen firms were invited to attend a meeting at the Museum on December 5, 1962 to view the existing industrial exhibits produced by the original group and to discuss the possibility of their giving additional cooperation. Eight industries responded by sending representatives to this meeting. They were Aeolian Corporation, Delco Appliance Division of General Motors, R. T. French Company, Genesee Brewing Company, Graflex, Inc., Rochester Shoe Tree Company, Schlegel Manufacturing Company and Whiting Pools, Inc. It is hoped that at least eight new industrial exhibits will be forthcoming from this meeting and will be ready to begin circulating in the schools by next fall.

Students at Edison Technical and Industrial High School study the science of Stromberg-Carlson telephone equipment



Precisely what is the value of such industrial exhibits? A well-planned, attractively-designed exhibit can teach more effectively than reference books alone because here, in one package, might be something relating to the history and development of the firm, raw materials used and their sources, finished products and their uses or applications, and perhaps even the future objectives of the company.

Through the industrial exhibits lent by the school service division to the schools, some of these concepts can be developed in a most satisfactory way. The children can see the display, which usually has great eye appeal, can read the informative literature included, and, most importantly, can handle the objects—raw materials and end products—contained in the exhibit, thus adding another dimension to their learning process.

The Museum deeply appreciates the fine cooperation given by the original group of industries in 1958-1959 and offers a public acknowledgment of the generosity of these eleven public-spirited firms. Their interest in furthering the work of the Museum is without parallel.

Winter Light

Continued from page 41

sing. He will fly and may not return, yet the pine will surely have its bird again. And bird after bird to come will seek that tree.

If Winter Wanderer should visit a particular March hill-scene in sunshine at noon, in afternoon's rose-glow, in moon and starlight and finally at dawn's break, he will have four different versions of the picture that filled his eyes. Though its properties remained the same, each lighted version would be but another act played by the same players; and each act would unfold a different story. With a bit of wisdom he will even see behind, around, within the scene the semblance of past events returning in the light of present things—in winter light.

Junior Stamp Club

By Gordon C. Morison, *Rochester Philatelic Association*

POSTAGE STAMPS—tiny mirrors of the science, history and culture of the world's nations—will be on display throughout March on the mezzanine of the Rochester Museum of Arts and Sciences.

Several dozen youngsters now participating in a Museum Junior Stamp Club, which meets the first and third Thursday evenings from 7:30-9:30 p.m., are planning the exhibit. Top award winners will be invited to show their displays in the international stamp exhibition which will be sponsored April 26-28 in Midtown Plaza by the Rochester Philatelic Association in commemoration of its 50th anniversary.

The young stamp collectors have shown so much interest in their new-found hobby, that they are now planning a stamp auction to raise money to provide prizes for their exhibitions. New members are welcome and should bring their collections to the meetings.

One junior discussed his malaria project with Mrs. Eva Ripperger who, along with other members of the Rochester Philatelic Association, works regularly with the youngsters. This youthful collector decided to portray malaria belts on a global map design, an idea he got after reading about the disease in a school news magazine. His exhibit will also include a discussion on how the money is obtained to fight malaria. Another junior has a large collection of uncanceled presidential stamps to display, but he is faced with the problem of how to acquire the \$5 presidential stamp which he needs to complete his collection.

Interests in philately—stamp collecting—take almost as many routes as there are collectors. The historical significance of stamps is a principal attraction. Teachers often use stamps to stimulate an interest in history, and entire collections can be built around any historical period or statesman.

While collecting according to country was the accepted method of saving these tiny bits of postal paper in the first half of this century, there's been a change in the past decade. Topical collecting, the saving of stamps on a particular subject such as fish or horticulture, has emerged and now takes its place as a recognized collecting method. Many who otherwise would not have become interested in a particular science have found it fascinating because a beautiful stamp attracted them. One person noticed a gaily colored butterfly on a stamp and soon he found not only this diurnal insect of interest but the whole field of entymology unfolding as a fascinating study. Many countries issue brilliantly colored special series in the natural sciences.

Stamp collectors study and probe the background of each stamp, the reason for its issuance and the significance of the date of release. As they mount their stamps, the juniors may learn, as great men and ordinary men have learned before them, that stamp collecting is a hobby embracing many avocations.

Review of the 50th Anniversary Year — 1962

Summary Report of Director to the Board of Commissioners

MUSEUMS AS SYMBOLS

Despite tensions in international affairs and what many commentators believe is an increasing trend toward materialism in American life, museums are fast becoming popular. This fact is significant as museums symbolize the best values in culture, education and in the realm of the spirit.

NATIONAL AND INTERNATIONAL ACTIVITIES

On April 10, masks of the Iroquois Indian False Face Society from the Museum's collection were described by Arleigh M. Hill, associate in Indian Arts, on the NBC coast-to-coast *TODAY SHOW*, broadcast from New York City. Later, from the spring to late fall months, these same masks were viewed by thousands of New York State Thruway tourists at the Scottsville Information Center, maintained by the Society of the Genesee and the Lakes.

On May 16 and 17, at the request of the American Association of Museums and the United States Department of State, the Museum acted as host to a group of twelve foreign museum experts from Ethiopia, Finland, Australia, India, Canada, Nigeria, Sierra Leone, Tunis and Peru.



Foreign Museum Specialists (from left to right)— Ferdinand Eckardt, Winnipeg, Manitoba; Mammo Tessem, Ethiopia; Edward Thaddeus, Nigeria; Mrs. Leena Savolainen, Finland; Hashim Unusa Cole, Sierra Leone; Mlle. Khediji Kaddour, Tunisia

At the invitation of museums in Israel, the Museum director had the privilege of visiting 25 museums in Israel from June 18 to June 29, and to make preparations for the Museum's Iroquois Indian exhibit, which, on January 1, started its circulating tour in that nation.

From July 2 to July 8, the director participated in the sessions of the Sixth General Conference of the International Council of Museums held in The Hague,

Netherlands. At this meeting, a pamphlet, *Science Museums for Developing Countries*, published by ICOM and containing a contribution from the Rochester Museum of Arts and Sciences, was distributed.

ADMINISTRATION

In December 1961, the City Manager regretfully accepted the resignation of Dr. John R. Williams, Sr., who had contributed 27 years of notable service as chairman of the Board of Commissioners. The City Manager appointed Mr. Arthur A. Davis to succeed Dr. Williams, and on January 8 the former was elected chairman.

Marked improvement to the museum building results from the spray-painting of the acoustical ceilings in the first and second floor exhibit areas during the summer. Our cabinet shop, among other accomplishments remodelled cases in the Hall of Optical Science. Improvement in the grounds included re-grading the property facing East Avenue and removal of diseased and overage trees. The director, assisted by staff members, gave a course of six sessions on museum administration and techniques from mid-March to late May for the benefit of personnel. During the year, the director was re-elected secretary of the U.S. National Committee of ICOM and also re-elected secretary of its International Committee on Science and Technical Museums. During 1962, he gave 33 talks or lectures to a total of 2,591 persons including audiences in New York, Boston, Philadelphia, Jerusalem in Israel and the Hague in the Netherlands.



Board of Commissioners: Dr. John R. Williams, Sr. and Mrs. F. Hawley Ward; (standing, left to right) Carl S. Hallauer, Mayor Henry E. Gillette, Arthur A. Davis, James P. B. Duffy, and T. Carl Nixon.

50th ANNIVERSARY PROGRAMS

There are other evidences that the Rochester Museum of Arts and Sciences in this, its Fiftieth Anniversary Year, was not only nationally but internationally recognized. One of the high points was the first National Symposium on "Understanding Science in the Space Age," sponsored by the Rochester Museum Association and local industry. Some 16 distinguished scientists, educators and journalists from several parts of the country, in all-day sessions on September 26, discussed the contributions of mass media, industry, education and the museum to a better conception of science on the part of the average American.

On Sunday, October 14, a notable exhibit featured the Museum's splendid fifty-year record of community service. The director awarded Certificates of Merit to volunteer workers and paid tribute to former staff members and others.

The 24th Annual Museum Convocation on November 14 was highlighted by the notable address "Cosmic Evolution" by the distinguished astronomer, Dr. Harlow Shapley. On this occasion Mayor Henry E. Gillette awarded the Civic Medal to Rabbi Philip S. Bernstein. Seven persons, including the speaker, received Museum fellowships for their contributions to science and scholarship.

PROGRAMS AND ATTENDANCE

Here at the Museum, we witnessed an unusually active and rewarding year. Despite the handicap of reduced personnel due to the difficulty of filling several staff positions, a greater number of visitors and participants in our lectures, courses and exhibit programs used our facilities. The total attendance for 1962 was 188,927 persons, exceeding the figure of 1961 by 7,505. Sunday programs (34) continued to attract the public, especially family groups, with 31,452 attending as against 31,763 in 1961.

Community attractions of special interest were the four flower or horticultural shows and two hobby shows which brought a total attendance of 11,200. Special exhibitions numbered 35 and showed a wide range of subject and educational appeal. Topics included paintings of the Southwest, objects of Old Russia, Latin American arts and crafts, photographs of humming birds and others. Although the attendance at 14 illustrated lectures, one a series for adults and the other the Audubon Screen Tours for youth, dipped from 4,927 in 1961 to 2,462, the figures of those adult persons attending evening hobby clubs and science organization meetings rose from 13,588 to 14,901, an increase of 1,343.

On May 8, the Rochester Museum Hobby Council staged its first Hobby Awards Night and conferred citations on three hobbyists. Council representatives also participated in a "Behind-the-Scenes" tour of the Museum on November 15. Notable events in the field of science education were the lectures "Contributions to Space Research in Rochester," sponsored by the Society of the Sigma Xi on February 2, and the Junior Scientists' program and Sigma Xi lecture on "The Oceans and Oceanography" on February 22. Another special occasion was the judging of the work of the Regional Science Congress and dinner on April 13, sponsored by the Gannett Publishing Co. There were 41 adult education course meetings sponsored by the Rochester Museum Association both in the building and in the field, attended by 1,071—an almost 100% increase over the figure for 1961. Also, attendance by non-affiliated groups increased from 1,300 to 4,262. Weekday visitor attendance rose from 89,647 to 98,661.

Statistics On Rochester Museum Attendance

<i>1961</i>		<i>1962</i>			
35	Sunday Programs	31,763	34	Sunday Programs	31,452
14	Association Lectures	4,927	14	Association Lectures	2,462
348	Adult Hobby and Science Club Meetings	13,558	343	Adult Hobby and Science Club Meetings	14,901
40	Non-Affiliated Adult Group Meetings	1,300	18	Non-Affiliated Adult Group Meetings	4,262
25	Adult Education Course Meetings	573	41	Adult Education Course Meetings	1,071
731	School Service Lectures, Classes and Programs	31,644	686	School Service Lectures, Classes and Programs	30,541
20	Museum Sponsored Adult Groups	8,010	24	Museum Sponsored Adult Groups and Programs	5,577
	Week-Day Visitor Attendance	89,647		Week-Day Visitor Attendance	98,661
	TOTAL	181,422		TOTAL	188,927
NET INCREASE					7,505 persons

SCHOOL SERVICE USES

Our services to city schools—elementary, high, private and parochial—and those of the towns in the county and in approximately ten surrounding counties, continued. These kept essentially to the record high level mark they did in 1961. There were 686 lectures, classes and junior clubs in the building served by our school service division, attended by 30,541 young people in 1962 as contrasted with 731 groups, comprising 31,644 individuals in 1961.

EXTENSION SERVICES

Circulating exhibits to the schools continued to be one of the major offerings of the school service division. These traveling units consisting of small-scale dioramas of geographic, historic and scientific subjects together with boxes of original materials, numbered a total of 4,128 as against 4,180 during the previous year. However, the children who used them numbered 144,377 as against 125,000 in 1961. In addition, 31 of these loan collections were used on television programs of the Rochester Area Educational Television Association, viewed by 48,400 children. Of the total 4,128 circulating units, 1,821 were used by 38,781 children in city elementary, high, parochial and nursery schools. Units numbering 624 were used by 51,757 elementary and nursery schools in the County of Monroe.

Another form of extension service was the talks, lectures and field trips conducted by staff members. In 1962 nine staff members gave 126 talks to a total of 9,454 persons as against 1961 when nine staff members gave 86 talks to 7,262 persons. Talks covered all phases of the Museum's subject matter, as well as geographic subjects, museum services and aspects of technical museology.

STATE AID AND THE MUSEUM

Every day, the services of these institutions are in greater demand by an ever widening public. So important are the scientific and educational contributions of museums in the State of New York, for example, that a special group of top professionals and volunteer laymen, after a two-year study, recommends the expenditure of four million seven hundred thousand dollars by the State Legislature to increase the usefulness of museums and to make them more available to the total population. The Rochester Museum of Arts and Sciences was honored to aid in this intensive study. It was represented in the group by the chairman of its Board of Commissioners and its director. The survey made possible the Report of the Commissioner of Education's Committee on Museum Resources which was endorsed by the Board of Regents of the University of the State of New York.

Iroquois Indian
Headdress



MUSEUM DIVISIONS

ANTHROPOLOGY

As in 1961, the major accomplishments were in exhibits and archeological research. Field surveys and excavations involved a total of 40 days at sites in Monroe, Genesee and Ontario counties. Nine localities were visited at the request of land owners, members of the Lewis Henry Morgan Chapter of the New York State Archeological Association and other organizations. The most important discovery was the salvage excavation of a skeleton and artifacts of bone and shell of the Point Peninsula Culture which dates it approximately as 2000 years old. The analysis and description of the artifacts from the Stone-Tolan House, Canawaugus Village, Big Tree Farm and the Sackett sites were completed, and a manuscript was prepared.



**Hall of Man: Section on European prehistory and culture areas
of the North American Indian**

Two large exhibits, in addition to a number of smaller ones, were prepared during the year. One of these was a traveling display of over 200 Iroquois costumes, masks, implements and carvings which is now touring the museums in Israel. The second major exhibition, "Fifty Years of Anthropology" in connection with the Museum's anniversary celebration, comprised 15 cases. The six-panel "Human Evolution" exhibit toured Idaho State College, St. Paul Institute of Science and the Dayton Museum, and was viewed by over 20,000 persons. On its return to Rochester, the display was permanently installed in the Museum's Hall of Man.

The division made material or information available to 27 institutions, both in Rochester and out-of-town. It loaned anthropological objects to 16 organizations. The curators gave 20 talks on anthropology and 18 group-tours of the Hall of Man to a total of 1,031 people. Two hundred and sixty-two visitors, 185 of which were from the Rochester area, came to the division's office with queries on anthropology, basic geology and museology.

BIOLOGY

Planning and direction of natural history exhibits, maintenance of the Museum gardens, answering questions in biology, adult educational courses both in the Museum and in the field, constituted the principal activities of the division.

Four nature courses with a total of 41 sessions attended by 1,037 persons were offered during the year. Mr. Allan S. Klonick taught the Bird Spotters' Course (indoors) from March 12 through April 23. Dr. Edward T. Boardman, curator of biology, and Mrs. Neil Moon conducted all 14 sessions of the Bird Field Course from April 7 through May 19. Dr. Babette Brown Coleman, Fellow of Rochester Museum, gave the Wild Flower Course from May 10 to June 6. An innovation was the Mushroom Field Identification Course directed by Dr. Leo Tanghe and assisted by W. Stephen Thomas, with eight sessions from July through September.



David T. Crothers creates nature forms

Mr. David T. Crothers, senior museum exhibits designer, made drawings and a model for a permanent exhibit of mites and nematodes. The completed exhibit will present organisms inhabiting a small particle of garden soil. Mr. Douglas Howland, artist-preparator, has been working exclusively on plastic reconstructions of plants for two proposed wet lands exhibits. There have been additions to exhibits in the geology alcove. Work there is continuing with the assistance of the Mineral Section of the Rochester Academy of Science. Thanks to Mr. and Mrs. T. Ward Beard and Mrs. Edward T. Boardman, and because Dr. Boardman worked about 20 hours of each spring weekend, the Colonial Herb and Rose Garden was maintained as usual.

The division has continued to cooperate with the schools by helping students with science fair problems or finding specialists elsewhere to help them. The curator judged at two regional fairs, Fairport Central School and Wyoming Central School, and served as a consultant at the Brockport Science Congress. The division, functioning as a science-answering service, responded to a number of questions daily during the spring, summer and fall months.

Dr. Boardman led a total of 18 different natural history field trips including the 14 spring sessions of the Bird Field Course. An estimated total of 640 persons attended these trips.

CULTURE HISTORY

Two major exhibits installed in the Fashion Alcove for six months each, consumed a considerable portion of time in the planning, selection of objects, installation and labeling. "Money and History" covered commodity money as well as coins and coinage from ancient to modern times. The exhibit was opened with a special round-table discussion and film showing on April 3, and served to commemorate the Fiftieth Anniversary of the Rochester Numismatic Association. "The Museum's Fifty Years of Community Service" reflects the Museum's purpose, early history, physical development, organization and administration. On October 14, the exhibit

was opened with tributes to persons associated with the Museum and awards to volunteer workers. Another exhibit was in recognition of Rochester's Sesquicentennial and was on view from June 20 to August 30.

Mrs. Henry Keutmann, a volunteer worker, completed research on children's clothing. The curator sorted and classified the hat collection. The doll collection was reviewed as to what was outstanding. Important acquisitions included patterned glass from the estate of Mrs. Katherine Stone Thompson, 77 pieces of English Ridgway china and a collection of dresses from the Frederick Barry estate.

Culture history material was borrowed for study and for class use by R.I.T. Photography Division and the School for American Craftsmen, Eastman Kodak Engineering Division and Wolff Associates. Material was loaned for the Midtown Plaza Exhibit in June on the 150th Anniversary of Rochester's First Settler. Two weaving courses were held in the division; one, March 26-30 for 29 registrants under Miss Mary Snyder of California and one for 20 women, November 13-15.

The curator gave 18 talks reaching approximately 800 people. These included such topics as jewelry, weaving, buttons, cooking utensils and metal head dolls. On August 13, about 300 delegates from the 13th Annual Convention of the United Federation of Doll Clubs visited the Museum and studied a special exhibit of dolls arranged for them in 10 cases.

PUBLIC RELATIONS

The cooperation and courtesy of daily and weekly newspapers, radio and television stations is evidenced in the response to 136 releases prepared through the year. There were 140 pictures and over 6,300 column inches in articles and news stories. Monthly calendars of museum activities were sent to 50 outlets. There were hundreds of written, telephone and visitor requests for information, assistance and planning.

MUSEUM SERVICE, the Museum's official publication, was issued 10 times with a total of 26,250 copies and 3,650 reprints of articles. There were 49 articles, 23 editorials, 8 book reviews, the Director's Summary Report for 1961, 8 Convocation citations, comments by the Mayor on the 50th anniversary, addresses on the National Science Synposium, and a total of 23 illustrations including the cover pictures. Four fliers on Museum courses, 2 lecture folders, 2 special programs, and 6 announcement-type invitations to exhibition openings and special events were designed and prepared. There were also tickets and a Museum guide for travel rack distribution. Eighty-nine film subjects were selected for Sunday programs.

SCHOOL SERVICE

The year was marked by evidences of progress in every phase of work. In spite of the fact that there were numerous staff changes, all activities moved forward. A new catalogue of educational services was prepared with the aid and suggestions of teachers from area schools. Utilizing the new telescope, a series of Star Watch parties was initiated by the Astronomy Section of the Rochester Academy of Science in April and continued through October 26. Cooperation with Rochester Area Television Association continued throughout the spring and fall semesters with the Museum supplying a large quantity of lecture material. In November, through the interest of Mrs. Eva Ripperger, the Junior Philatelic Club was reactivated.

Five Junior League volunteers continued to work for the division, particularly



Old Russia: Miniature diorama of the
Annunciation Cathedral

with the diorama artist, Edward G. Cornwell, Jr. Miss Gloria C. Gossling attended a four-day work session on Interpretive Programs for Naturalists at Antioch College, Yellow Springs, Ohio, in April. During the year, the school service staff was responsible for installing seven major exhibits including "Old Russia," "Arts and Crafts of Latin America," "A Delegation of Dolls," "Science Education Through the Museum" and several others.

REGISTRAR

During the year by actual count, 354 people contributed 3,626 gifts of wide variety to the Museum collections. This represented 162 less donors and 53 fewer donations; however, the quality and the interest of the gifts have been higher. Notable gifts included 94 dolls from the Misses Adelia and Marianna Hallock, 12 water-color drawings of Chinese ships from Dr. and Mrs. Karl M. Wilson, 54 articles of clothing from Mrs. Albert Purpura, a collection of clothing, fans and handbags from Mrs. F. Hawley Ward, the original working model of the Pulver chewing gum vending machine by Mr. Gerald G. Matthews and many others.

Objects from the Museum's general collections, including musical instruments, models of uniformed nurses, items for photographic illustration and ethnological material were loaned to Eastman School of Music, Rochester Institute of Technology, City high schools and St. John Fisher College. Also, to churches, Girl Scouts, Sibley, Lindsay & Curr Co., Treadway Inn, Eastman Kodak Company, Midtown Plaza, television stations and the New York State Thruway Information Center at Scottsville, N. Y. Outside Rochester, loans were made to Letchworth State Park Museum (47 ethnological items), the American Museum in Britain (Cloverton Manor, Bath, England), Old Fort Niagara, New York State Museum, Cayuga Museum of History and Art, Niagara Historical Society, Newark Public Library and the U. S. Information Agency.

MUSEUM LIBRARY

Our permanent collection of over 14,000 bound volumes and 725 bound periodicals was increased by approximately 100 miscellaneous books, pamphlets and magazines. An especially notable gift was a collection of monographs and catalogues (42 items), published by the Science Museum, London, England, and donated by its director, Dr. D. H. Follett.



Miss Florence A. Taylor, registrar

The librarian planned and installed six exhibitions including children's books, minerals, history of pharmacy, calling cards and cases, Rochester Parks and Japanese ivory carvings. Organizations aided by special help included the Cobblestone Society, the Y.W.C.A., Junior League, RAETA, Television Station work and others.

PERSONNEL

As has been true in the past, there were a number of staff changes during the year. This is especially true of school service where part-time positions are involved.

The administration notes with regret the death on March 6 of Frank W. Gorman, who had been employed as custodian-guide since June 25, 1956. To fill this vacancy, Garrett Bunch was appointed on June 18. Services of Istvan Ivanyi, as gardener, were terminated on January 27. Robert E. Thurston was appointed on May 4 to fill the position. Jules Martens, because of ill health, was granted a leave-of-absence on August 8. Aleksander Bielak, building maintenance helper, resigned on July 27. Mrs. Mary Wade resigned because of ill health on April 7. Her position of part-time cleaning duties was filled on May 8 by Miss Deloris Johnson who resigned on November 23. Miss Anna S. Montgomery was appointed on November 26 to fill the vacancy.

It was a distinct loss when Joseph A. Scully retired on August 31. He had served faithfully as building maintenance superintendent since February 15, 1946. On September 11, the Board of Commissioners unanimously adopted a Resolution expressing its appreciation for his long term of service. A new position of curator of engineering created by the City Manager in September, has not yet been filled. The Museum is indebted to Arleigh M. Hill who, in addition to his other work, has generously assumed the temporary duties of supervisor of maintenance.

With regret the Museum accepted the resignation of Donald H. Sachs, educational assistant who since January 9, 1958 had ably served in the school service division. He left on January 13 to become curator of education at the Neville Public Museum, Green Bay, Wisconsin. Mrs. Natalia Buttner, part-time educational assistant, on January 15, assumed his post. For the period February 12 to March 23, Stephen B. Maley, a senior at the University of Rochester, served as part-time educational assistant. It was not until July 16 that a replacement was found—Miss Frances Vallery who, unfortunately, was obliged to resign on November 9. Her replacement, on December 6, was Mrs. Joyce M. Melissinos. Miss Holly Anne Bugnacki resigned as senior stenographer on September 9 and was replaced on September 24 by Mrs. Jessie Raue.

It is gratifying to report that Douglas Howland was appointed artist on October 8. He came to the Museum February 1, 1947, served four years in the school service division and since 1951, as preparator and subsequently as artist.

In the administrative office, Mrs. Nancy Samson Newland was obliged to resign for family reasons as stenographer on February 24. The vacated position for the interim period of March 1 to April 8 was filled by Mrs. Marie L. Cerny. Mrs. Dorothy Soehner was appointed stenographer and began her duties on July 16.

We were glad to be able to fill the post of junior anthropologist. On July 2, Miss Rachel Bonney, a graduate of the University of Minnesota who had majored in anthropology, was appointed to the position. We regret that Miss Bonney resigned on December 31. Ever since the resignation of Harry C. Cohalan on July 22, 1960, we have been without a principal gardener. We were pleased, therefore, to appoint William J. Burslem to that post on August 27. He has had experience in England, Canada and America.

Illustrated Lectures

Wednesday, March 6, 8:15 p.m.

JETS, ROCKETS, SPACE AND YOU • Peter Reich

Aviation Editor of the *Chicago American* speaks on U.S.A. and Russian space projects with stories of missile launchings and space flight research

Worlds of Science Series sponsored by the Rochester Museum Association

Youth Programs

Treasure Chest of Science • Saturday, March 16, 10:30 a.m.

EDISON SCIENCE SHOW by the Demonstration Team of Edison Technical and Industrial High School

A series of scientific demonstrations involving light and sound.

Audubon Screen Tour • Saturday, March 30, 10:30 a.m.

THE REAL YELLOWSTONE by Fran William Hall

Master of Nature Photography

An up-to-date story of our oldest and largest National Park. Elk, moose, coyote, pronghorn and many other animals in their natural habitat. The geysers and scenic beauties.

Youth Series sponsored by the Rochester Museum Association

Exhibition Openings . . .

An Evening of Art and Science sponsored by the Rochester Art Club

Thursday, March 14, at 8:00 p.m.

"Physics and Painting"

"An Artist Ventures With Plastics"

Smithsonian Traveling Exhibition

Talk and demonstration by John Menihan

ISRAEL AND ITS CULTURE

The Story of the Cultural Development in Israel Today

Thursday, March 21, at 8:00 p.m.

SPECIAL EXHIBITIONS

- Library — **MEDALS AND DECORATIONS** — from the J. Warren Cutler collection.
On exhibit through March
- Mezzanine — **STAMP EXHIBITION** — for and by junior collectors. Sponsored by the Junior Stamp Club and the Rochester Philatelic Association. On exhibit March 1 — 31
- 2nd Floor — **28th KODAK INTERNATIONAL SALON OF PHOTOGRAPHY** — monochrome, nature and color prints by Eastman Kodak Company employees around the world.
On exhibit through March 5
- THESE ARE MY PEOPLE** — Photographic exhibit on Nigeria by Milton Abiodun Macaulay On exhibit March 8 — April 8
- PHYSICS AND PAINTING** — color reproductions, diagrams, explanatory labels and text. Smithsonian Institution Traveling Exhibit. On exhibit March 14 — April 7
- 3rd Floor — **ISRAEL AND ITS CULTURE** — the story of the land and its people. Original objects, paintings, ceramics, crafts, models, photographs and maps.
On exhibit March 21 — September 1

1963 — MARCH — CALENDAR

- 1 Friday Rochester Academy of Science—Astronomy—8 p.m.
Rochester Amateur Radio Ass'n—8 p.m.
- 3 Sunday **FILM PROGRAM 2:30 and 3:30 p.m. — CIRCLE OF THE SUN, (Blackfoot Indians of Western North America), ITALY — TANNA, A GIRL OF SICILY**
- 5 Tuesday Rochester Rose Society—8 p.m.
- 6 Wednes. Genesee Cat Fanciers Club—8 p.m.
ILLUSTRATED LECTURE 8:15 p.m. — JETS, ROCKETS, SPACE AND YOU
by Peter Reich — Worlds of Science Adult Series, Rochester Museum Ass'n
- 7 Thursday Rochester Academy of Science—Mineral—8 p.m.
Rochester Dahlia Society—8 p.m. Rochester Cage Bird Club—8 p.m.
Junior Stamp Club—7:30 p.m.
- 8 Friday Morgan Chapter, N.Y.S.A.A.—8 p.m.
Rochester Amateur Radio Code Class—8 p.m.
Burroughs Audubon Nature Club—8 p.m.
- 10 Sunday **FILM PROGRAM 2:30 and 3:30 p.m. — ROBERT FROST, WILDLIFE RENDEZVOUS**
- 12 Tuesday Rochester Hobby Council—8 p.m. Rochester Numismatic Ass'n—8 p.m.
Rochester Academy of Science—Botany—8 p.m.
- 13 Wednes. Rochester Academy of Science—Ornithology—8 p.m.
- 14 Thursday Rochester Philatelic Ass'n—8 p.m.
- 15 Friday Genesee Valley Antique Car Society—8 p.m.
Rochester Amateur Radio Code Class—8 p.m.
Jr. Numismatic Club—7:30 p.m.
- 16 Saturday **TREASURE CHEST OF SCIENCE YOUTH PROGRAM — 10:30 a.m.**
EDISON SCIENCE SHOW — LIGHT AND SOUND — by Demonstration Team of Edison Technical and Industrial High School
- 17 Sunday **FILM PROGRAM 2:30 and 3:30 p.m. — TROPICAL AFRICA, FAMILY OF N'GUMBA (African story told with puppets)**
- 19 Tuesday Rochester Button Club—1 p.m.
- 20 Wednes. Rochester Print Club—8 p.m.
Monroe County Hooked Rug Guild—10 a.m.
- 21 Thursday Junior Stamp Club—7:30 p.m.
Rochester Bonsai Society—8 p.m.
Genesee Valley Gladiolus Society—8 p.m.
- 22 Friday Rochester Archers—8 p.m.
Rochester Amateur Radio Code Class—8 p.m.
- 23 Saturday **PARENTS DAY — Junior Museum Activities — 2 - 4 p.m.**
- 24 Sunday **FILM PROGRAM 2:30 and 3:30 p.m. — UNHEARD MELODIES, JERUSALEM, MOONBIRD**
- 26 Tuesday Rochester Antiquarian League—8 p.m.
Rochester Numismatic Ass'n—8 p.m.
- 27 Wednes. Seneca Zoological Society—8 p.m. Men's Garden Club—8 p.m.
- 28 Thursday Rochester Philatelic Ass'n—8 p.m.
Genesee Valley Quilt Club—10:30 a.m.
- 29 Friday **Rochester Academy of Science Public Lecture — 8:15 p.m.**
PRAIRIE SPRING by W. W. H. Gunn, Federation of Ontario Naturalists
- 30 Saturday **AUDUBON SCREEN TOUR 10:30 a.m. — THE REAL YELLOWSTONE by Fran William Hall — Youth Series, Rochester Museum Ass'n**
- 31 Sunday **FILM PROGRAM 2:30 and 3:30 p.m. — YELLOWSTONE, THE NATURE OF LIGHT, BOY OF THE NAVAJOS**

—All bookings subject to change and substitution without notice

Adult Courses, Spring 1963 . . .

Bird Spotters Lecture Course for Beginners

Monday evenings, 8 p.m.
March 11 — April 22

Bird Spotters Field Course

Saturday and Wednesday mornings, 6:30 a.m.
April 6 — April 27

*Research and Ornithology

Saturday afternoons, 2 p.m.
March 9 — 8 lectures at University of Rochester

*Nature and the Child

Wednesday afternoons, 1 p.m.
April 3 — May 22

Nature Leaders Institute

3 Museum sessions, 7:30 p.m. — 3 Field Trips, 9 a.m.
April 29 — May 18

Flower Spotters Course

4 Museum sessions, 8 p.m. — 3 Field Trips, 6:30 p.m.
May 8 — June 5

*Non-credit courses by the University School of
the University of Rochester and the Museum