

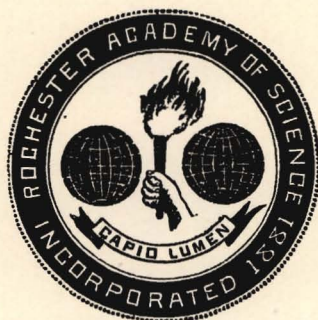
PROCEEDINGS  
OF THE  
ROCHESTER ACADEMY OF SCIENCE



PROCEEDINGS  
OF THE  
ROCHESTER ACADEMY OF SCIENCE

VOLUME 6

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ROCHESTER, N. Y.  
PUBLISHED BY THE SOCIETY  
1929



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## LIST OF PAPERS READ BEFORE THE ACADEMY

DATE	AUTHOR	TITLE
1919.		
Jan. 13,	GEORGE A. CHADWICK . . . .	The rocks of the Genesee valley.
Jan. 27,	CHARLES C. ZOLLER . . . . .	Natural color views of our western states.
Feb. 10,	ALVIN H. DEWEY . . . . .	Some Indian villages and burial sites.
Feb. 24,	DR. M. H. GIVEN . . . . .	The local milk situation.
Mar. 10,	HAROLD L. ALLING . . . . .	Beauties and uses of the petrographic microscope.
Mar. 17,	Joint meeting with the Rochester Section of the American Chemical So- ciety . . . . .	Utilization of kelp.
Mar. 24,	C. C. LANEY . . . . .	The Arnold Arboretum.
Apr. 14,	FLORUS R. BAXTER . . . . .	Preparation and uses of certain petro- leum products.
Apr. 28,	GUY A. BAILEY . . . . .	Hunting birds with a camera.
May 12,	E. C. AVERY . . . . .	Our native wild flowers and their haunts.
May 26,	C. E. KENNETH MEES . . . .	The camera in war.
June 12,	H. L. FAIRCHILD . . . . .	Two theories of the earth's origin.
Sep. 22,	Several speakers . . . . .	Summer experiences.
Oct. 13,	LOUIS A. PECHSTEIN . . . .	Military psychology.
Oct. 27,	JOHN M. CLARKE . . . . .	Lights and shades in New York geology.
Nov. 10,	H. L. FAIRCHILD . . . . .	Reptiles, ancient and modern.
Nov. 24,	CHARLES C. ZOLLER . . . .	Rochester parks in the colors of nature.
Dec. 8,	L. E. JEWELL . . . . .	Sunset phenomena and their causes.
1920.		
Jan. 12,	WILLIAM D. MERRELL . . . .	Modern theory of respiration.
Jan. 26,	JOHN R. MURLIN . . . . .	Historical development of the U. S. army ration.
Feb. 9,	GEORGE H. CHADWICK . . . .	Plankton, nekton and benthos.
Feb. 23,	RAYMOND N. ARNOT . . . . .	The economic supremacy of America.
Mar. 8,	JAMES F. BARKER . . . . .	Application of the part-time school law.
Apr. 12,	MRS. M. B. STEINHAUSEN . .	Counseling the adolescent girl.
Apr. 22,	DAVID WHITE . . . . .	Petroleum in the United States.
Apr. 26,	WILLIAM A. PARKS . . . . .	Collecting big fossils along the Red Deer river in Alberta.
May 10,	HARRY A. CARPENTER . . . .	General science in the Rochester Junior High schools.
May 24,	WILLIAM L. BRAY . . . . .	Development of bog vegetation with special reference to the Grasse river bog.
Sep. 27,	Several speakers . . . . .	Summer experiences.
Oct. 11,	EDWARD W. MULLIGAN . . . .	Personal impressions of Japan.
Oct. 25,	ELLIOT P. FROST . . . . .	Should psychology bake bread?

DATE	AUTHOR	TITLE
1920.		
Nov. 8,	JOSEPH ROBY	Causes of disease in relation to medical education.
Nov. 22,	HERBERT A. CLARK	How thermometers are made.
Dec. 13,	H. L. FAIRCHILD	The story of the Susquehanna valley.
1921.		
Jan. 10,	GEORGE H. CHADWICK	One hundred years of Rochester geology.
Jan. 24,	JOHN M. CLARKE	The end of evolution.
Feb. 14,	HENRY A. MATTILL	Vitamines, some unknown A, B, C's of nutrition.
Feb. 28,	T. L. HANKINSON	Bird photography.
Mar. 14,	LOUIS A. FUERTES	The coloration of birds and animals, the basis of camouflage.
Mar. 28,	W. CLARK TROW	The atypical child.
Apr. 11,	CHARLES C. ZOLLER	Natural color views of Florida.
Apr. 25,	JOHN H. COMSTOCK	Spiders.
May 9,	CHARLES C. ADAMS	The Roosevelt Wild-Life Forest Experiment Station.
May 23,	KARL W. WIEGAND	Botanizing in Newfoundland.
Oct. 10,	Several speakers	Summer experiences.
Oct. 24,	MRS. PORTER E. RITCHEY	Children's savings in the United States.
Nov. 14,	Several speakers	Geological symposium.
Nov. 28,	JOHN DUNBAR	Some flowering trees of the north temperate zone.
Dec. 12,	WILLIAM B. HOOT	Birds of New York, California and the Rockies.
1922.		
Jan. 9,	HAROLD L. ALLING	Behind the scenes when the rocks were made.
Jan. 22,	HAZEL M. STANTON	The measurement of musical talent.
Feb. 13,	JOHN R. MURLIN ALBERT D. KAISER MARY HOYT	}..... Symposium on Nutrition.
Feb. 27,	FLOYD W. SCHMOE	
Mar. 13,	Several speakers	Symposium on birds.
Mar. 27,	CHARLES C. ADAMS	Caring for the Yellowstone wild life.
Apr. 10,	CHARLES C. ZOLLER	Rochester's suburbs in the colors of nature.
Apr. 24,	THOMAS L. WALKER	The zeolites of Nova Scotia.
May 22,	WILLIAM D. MERRELL	The present status of the evolutionary theory.
Oct. 9,	Several speakers	Summer experiences.
Oct. 23,	C. R. PETTIS	Our fast-dwindling forest resources.
Nov. 11,	CHARLES C. ZOLLER	Autumn in the colors of nature.
Nov. 27,	ALBERT R. SHADLE	Life history and habits of the lake lamprey.



- | DATE     | AUTHOR                       | TITLE  |
|----------|------------------------------|--|
| 1922.    |                              |  |
| Dec. 14, | HENRY N. RUSSELL . . . . .   | The atomic theory and astrophysics.<br>In joint meeting with the<br>Rochester section of<br>the Optical Society of<br>America.                                     |
| 1923.    |                              |  |
| Jan. 22, | HAROLD L. ALLING . . . . .   | Geological observations in Iceland and<br>Norway.  |
| Feb. 14, | FRED E. WRIGHT . . . . .     | The role of experiment in geology.<br>Joint meeting with the<br>Rochester sections of the<br>American Chemical So-<br>ciety and the Optical<br>Society of America. |
| Feb. 26, | CONRAD VOLLERTSEN . . . . .  | The cultivation of hazelnuts.  |
| Mar. 12, | FLOYD W. SCHMOE . . . . .    | The glaciers of Mount Rainier.   |
| Mar. 26, | LEROY E. SNYDER . . . . .    | Why we need a public library.  |
| Apr. 9,  | HERBERT W. JOB . . . . .     | Wild birds and their habits.   |
| Apr. 23, | GUY A. BAILEY . . . . .      | Honeybees.   |
| May 14,  | BYRON REED . . . . .         | Porto Rico and its native music.   |
| Oct. 8,  | Several speakers . . . . .   | Summer experiences.  |
| Oct. 29, | HENRY WARREN POOR . . . . .  | Yellowstone National Park.   |
| Nov. 12, | CHARLES C. ZOLLER . . . . .  | Rochester in natural colors.   |
| Nov. 26, | ELLSWORTH KILLIP . . . . .   | Travels in the Colombian Andes.  |
| Dec. 10, | H. L. FAIRCHILD . . . . .    | The evolution of geology.  |
| 1924.    |                              |  |
| Jan. 14, |                              | Business meeting.  |
| Jan. 28, | JOHN M. CLARK . . . . .      | The enigmas of geology.  |
| Feb. 11, | WILLIAM B. HOOT . . . . .    | Experiences of a bird photographer.  |
| Feb. 25, | FLOYD W. SCHMOE . . . . .    | Forests of the northwest.  |
| Mar. 10, | WILLIAM A. PARKS . . . . .   | Evolution as illustrated by trilobites.  |
| Mar. 24, | GEORGE L. ENGLISH . . . . .  | Microscopic builders of marble edifices.   |
| Apr. 14, | WILLIAM D. MERRELL . . . . . | Carnivorous plants.  |
| Apr. 28, | DR. A. P. SY . . . . .       | Some new things in nutrition.  |
| May 5,   | EDWARD T. WHERRY . . . . .   | The cultivation of wild flowers.   |
| May 12,  | FLOYD C. FAIRBANKS . . . . . | The present status of astronomy.   |
| May 26,  | KARL WIEGAND . . . . .       | Ithaca to Seattle by automobile.   |
| Oct. 13, | Several speakers . . . . .   | Summer experiences.  |
| Oct. 27, | H. L. FAIRCHILD . . . . .    | Darien and its people.   |
| Nov. 10, | HAROLD L. ALLING . . . . .   | Geologic notes on England and Switzer-<br>land.  |
| Nov. 24, | ROSWELL H. WARD . . . . .    | Development of the airplane and its ap-<br>plication to commercial aviation.   |
| Dec. 8,  | CHARLES C. ZOLLER . . . . .  | Natural color photographs of the Adi-<br>rondacks.   |

DATE	AUTHOR	TITLE
1925.		
Jan. 12,	A. C. HAWKINS	The mountains of New England.
Jan. 26,	J. DOUGLAS HOOD	Insects in relation to man.
Feb. 9,	HENRY H. COVELL	A trip around the world.
	J. L. ROSEBOOM	Esperanto.
Feb. 23,	ARTHUR C. PARKER	The League of the Iroquois.
Mar. 9,	W. PARKER STOWE	The biology of the cancer cell.
Mar. 23,	GEORGE L. ENGLISH	From sunny Algiers to the snowless northland.
Apr. 13,	H. L. FAIRCHILD	Physical features of Porto Rico.
Apr. 28,	HERBERT E. IVES	Transmission of pictures by wireless.
	Joint meeting with the Rochester section of the Optical Society of Amer- ica.	
Oct. 12,	Several speakers	Summer experiences.
Oct. 26,	ALBERT KAISER	Hunting in the Cassiar mountains.
Nov. 9,	A. P. H. TREVELLI	Holland.
Nov. 23,	ROSWELL H. WARD	Further development of the air service.
Dec. 14,	WILLIAM D. MERRELL	Evolution.
1926.		
Jan. 11,	FLOYD W. SCHMOE	Wilderness babies.
Jan. 26,	ARTHUR L. DAY	The Santa Barbara earthquake.
	Joint meeting with the Rochester section Op- tical Society of America.	
Feb. 8,	Business meeting.	
Feb. 22,	CHARLES C. ZOLLER	Natural color photographs of the Adi- rondacks.
Apr. 12,	MRS. FRANK PUGSLEY	Wild flowers and associated wildings in the home garden.
Apr. 26,	F. W. C. MEYER	Switzerland in a day.
May 10,	ALFRED C. HAWKINS	Crystals.
Oct. 11,	Several speakers	Summer experiences.
Oct. 25,	GEORGE L. ENGLISH	The great magnet in the west.
Nov. 8,	HERBERT P. LANSDALE	The Chinese puzzle.
Nov. 22,	CHARLES C. ZOLLER	Autumn in city and country.
Dec. 26,	F. W. C. MEYER	Highways and byways of northern Ger- many.
1927.		
Jan. 10,	Annual business meeting.	
Jan. 24,	FLOYD W. SCHMOE	Fire mountains of the northwest.
Feb. 28,	ARTHUR C. PARKER	The relation of an academy of science to a museum.
Mar. 28,	JOHN E. HOFFMEISTER	The Friendly Islands of the South Seas.



DATE	AUTHOR	TITLE
1927.		
Apr. 11,	FLOYD C. FAIRBANKS . . . . .	Some recent developments in astronomy.
Nov. 14,	Several speakers . . . . .	Summer experiences.
1928.		
Jan. 23,	JOHN E. HOFFMEISTER . . . . .	Paleontology.
Feb. 27,	GUY A. BAILEY . . . . .	Birds and flowers of the Genesee valley.
Mar. 12,	J. DOUGLAS HOOD . . . . .	An entomologist in our western deserts.
Apr. 9,	RICHARD WENDT . . . . .	Animal psychology.
Oct. 22,	H. L. FAIRCHILD	} . . . Symposium on the Mendon Ponds.
	GEORGE Y. WEBSTER	
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Nov. 26,	GEORGE L. ENGLISH . . . . .	South Africa, where science and ignorance meet.
Dec. 10,	CHARLES C. ZOLLER . . . . .	Natural color photography.
1929.		
Jan. 28,	.....	Demonstration of equipment in the Strong Memorial Hospital.
Feb. 25,	SHERMAN C. BISHOP . . . . .	Salamanders.
Mar. 25,	J. DOUGLAS HOOD . . . . .	Evolution of social life among insects.
Apr. 22,	CHARLES C. ADAMS . . . . .	California National Parks.

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