



THE
GEOLOGICAL SOCIETY
OF AMERICA

The Geomorphologist

THE ANNUAL NEWSLETTER OF THE GEOMORPHOLOGY DIVISION OF THE GEOLOGICAL SOCIETY OF AMERICA

January 1969

To Affiliates of the Geomorphology Division:

OFFICERS AND PANEL MEMBERS

During the summer, a nominating committee was chosen by William D. Thornbury, of R. F. Black, Chairman, J. H. Hartshorn, and A. L. Washburn. The slate of Officers for 1969, selected by this Nominating Committee, was presented to the Division in October in the form of a ballot. Forty six per cent of the Division completed the ballot and returned it to the Division Secretary by November 5. At the same time, Panel Members were nominated (only by 26 per cent of the whole Division, however), and those names receiving the highest number of nominations were accepted.

We list here the Officers of the Division for 1969 and the Members of the Panel.

Officers: Arthur D. Howard Chairman
David M. Hopkins First Vice Chairman
Richard P. Goldthwait Second Vice Chairman
(The Secretary was asked to continue
for another two-year term.)

Panel Members:	Term of Office (two years):
Dwight R. Crandell	January 1968 through December 1969
Stephen C. Porter	January 1968 through December 1969
A. Lincoln Washburn	January 1968 through December 1969
Arthur L. Bloom	January 1969 through December 1970
William C. Bradley	January 1969 through December 1970
Ronald L. Shreve	January 1969 through December 1970

For the benefit of all affiliates of the Geomorphology Division, we believe it advisable to list at this time all those who have ever served the Division as an Officer, and as a Panel Member, so that each affiliate may have such a list available in his files when the time comes for future reference.

OFFICERS OF THE GEOMORPHOLOGY DIVISION

	<u>Chairman</u>	<u>First Vice Chairman</u>	<u>Second Vice Chairman</u>	<u>Secretary</u>
1969	A. D. Howard	D. M. Hopkins	R. P. Goldthwait	S. E. White
1968	W. D. Thornbury	A. D. Howard	D. M. Hopkins	S. E. White
1967	H. E. Wright, Jr.	W. D. Thornbury	A. D. Howard	S. E. White
1966	R. F. Black	S. Judson	H. E. Wright, Jr.	L. H. Nobles
1965	G. M. Richmond	R. F. Black	S. Judson	L. H. Nobles
1964	A. L. Washburn	W. C. Bradley	G. W. Holmes	L. H. Nobles
1963	L. B. Leopold	A. L. Washburn	D. M. Hopkins	L. H. Nobles

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Officers of the Geomorphology Division, cont.-

1962	J. G. Fyles	J. H. Zumberge	M. G. Wolman	L. H. Nobles
1961	J. T. Hack	H. N. Fisk	J. G. Fyles	L. H. Nobles
1960	C. S. Denny	R. V. Ruhe	J. T. Hack	H. E. Wright, Jr.
1959	G. W. White	H. T. U. Smith	J. T. Hack	H. E. Wright, Jr.
1958	G. W. White	H. T. U. Smith	J. H. Zumberge	H. E. Wright, Jr.
1957	J. H. Mackin	C. S. Denny	J. H. Zumberge	H. E. Wright, Jr.
1956	J. H. Mackin	C. S. Denny	A. N. Strahler	R. P. Goldthwait
1955	E. Blackwelder	J. C. Frye	A. N. Strahler	R. P. Goldthwait

Ad hoc

Committee	W. C. Putnam	L. B. Leopold	R. P. Goldthwait	A. N. Strahler
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MEMBERS OF THE GEOMORPHOLOGY PANEL

1970	1969	1968	1967-1968	1966-1967
	W. C. Bradley	D. R. Crandell	J. H. Hartshorn	W. C. Bradley
	A. L. Bloom	S. C. Porter	T. L. Péwé	D. F. Eschman
	R. L. Shreve	A. L. Washburn	M. G. Wolman	E. H. Muller
W. C. Bradley	D. R. Crandell	J. H. Hartshorn	W. C. Bradley	A. L. Bloom
A. L. Bloom	S. C. Porter	T. L. Péwé	D. F. Eschman	J. T. Hack
R. L. Shreve	A. L. Washburn	M. G. Wolman	E. H. Muller	C. A. Wahrhaftig
1965-1966	1964-1965	1963-1964	1962-1963	1961-1962
A. L. Bloom	S. A. Schumm	W. C. Bradley	E. H. Muller	R. F. Black
J. T. Hack	A. N. Strahler	D. R. Crandell	P. R. Shaffer	R. P. Goldthwait
C. A. Wahrhaftig	S. E. White	D. F. Eschman	C. A. Wahrhaftig	H. E. Wright, Jr.
S. A. Schumm	(W. C. Bradley)	E. H. Muller	R. F. Black	C. S. Denny
A. N. Strahler	J. H. Mackin	P. R. Shaffer	R. P. Goldthwait	R. L. Nichols
S. E. White	D. R. Crandell	C. A. Wahrhaftig	H. E. Wright, Jr.	A. N. Strahler
	D. F. Eschman			
1959-1961	1957-1959	1955-1957	Original Panel 1954	
L. B. Leopold	S. Judson	R. F. Flint	E. Blackwelder	
J. P. Miller	J. C. Frye	R. P. Goldthwait	R. P. Goldthwait	
G. M. Richmond	W. D. Thornbury	H. T. U. Smith	L. Horberg	
R. P. Sharp	J. T. Hack	J. H. Mackin	J. H. Mackin	
M. G. Wolman	A. N. Strahler	R. P. Sharp	R. P. Sharp	
J. H. Zumberge	A. D. Howard	A. N. Strahler	A. N. Strahler	

KIRK BRYAN AWARD

The Kirk Bryan Award for 1968 was awarded to David M. Hopkins for his paper "Quaternary Marine Transgressions in Alaska," in The Bering Land Bridge, Stanford University Press, 1967. Most unfortunately, however, Dave Hopkins was not able to attend the Annual Meeting of the Geomorphology Division in Mexico City, so that after the Citation was read, Robert F. Black most graciously delivered Dave Hopkins' acceptance speech in his absence.

For the benefit of the affiliates of the Division, we believe it would be helpful to list here all past recipients of the Kirk Bryan Award and the papers that earned the Award for them. Each of us then may have the names of past recipients and their papers in front of us when proposing a paper for a future Award.

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RECIPIENTS OF THE KIRK BRYAN AWARD

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| 1968 | David M. Hopkins
U. S. Geological Survey | Quaternary marine transgressions in Alaska, <u>in</u> The Bering Land Bridge, Stanford University Press, p. 47-90, 1967 |
| 1967 | Clyde A. Wahrhaftig
University of California
at Berkeley | Stepped topography of the southern Sierra Nevada, California, Geol. Soc. Amer. Bull., v. 76, p. 1165-1190, 1965 |
| 1966 | Charles S. Denny
U. S. Geological Survey | Alluvial fans in the Death Valley region, U. S. Geol. Survey Professional Paper 466, 62 pp., 1965 |
| 1965 | Gerald M. Richmond
U. S. Geological Survey | Quaternary stratigraphy of the La Sal Mountains, Utah, U. S. Geol. Survey Prof. Paper 324, 135 pp., 1962 |
| 1964 | Robert P. Sharp
Calif. Inst. Technology | Wind ripples, Journ. Geol., v. 71, p. 617-636, 1963 |
| 1963 | Arthur H. Lachenbruch
U. S. Geological Survey | Mechanics of thermal contraction cracks and ice-wedge polygons in permafrost, Geol. Soc. Amer. Special Paper 70, 69 pp., 1962 |
| 1962 | Anders Rapp
University of Uppsala | Recent development of mountain slopes in Kärkevagge and surroundings, northern Scandinavia, Geografiska Annaler, v. 42, p. 71-200, 1960 |
| 1961 | John T. Hack
U. S. Geological Survey | Studies of longitudinal stream profiles in Virginia and Maryland, U. S. Geol. Survey Prof. Paper 294B, 97 pp., 1957 |
| 1960 | John F. Nye
University of Bristol | The distribution of stress and velocity in glaciers and ice-sheets, Roy. Soc. Proc., A, v. 239, p. 113-133, 1957 |
| 1959 | Jack L. Hough
University of Illinois | Geology of the Great Lakes, University of Illinois Press, 313 pp., 1958 |
| 1958 | Luna B. Leopold and
Thomas J. Maddock, Jr.
U. S. Geological Survey | The hydraulic geometry of stream channels and some physiographic implications, U. S. Geol. Survey Prof. Paper 252, 57 pp., 1953 |

PUBLICATIONS

To bring the affiliates of the Division up to date on the work of its Publications Committee, it is necessary to report that during 1968, this Committee investigated further the feasibility of the Division sponsoring a series of publications on geomorphology, and learned that the number of prospective commercial publishers previously interested still were anxious to have authors and editors named, and subjects proposed. Yet there were no authors forthcoming, no editors volunteering, and no papers being written from the Division. In fact, several of the publishers now are ready to proceed by themselves. The Executive Council of the Division then, at the Annual Business Meeting in Mexico City, recommended that, in view of the policy conditions involved, the publication of the series of paper-back books on different phases of geomorphology and reviews of special subjects in geomorphology be placed in the hands of the publishers who are interested, with all encouragement possible by the Geomorphology Division. This recommendation was approved and accepted by the affiliates present at the meeting.

EARLY OBSERVATIONS ON ILLINOIS WATER RESOURCES

If you are interested in the original conditions of water, streams, and river floodplains during the days of early exploration and settlement of a part of the "midwest", you might wish to write for a (apparently free) copy of An Annotated Bibliography of Observations on Illinois Water Resources 1673 - 1850 by T. P. Schlunz, R. M. Sutton, and G. W. White University of Illinois, Water Resources Center, Research Report No. 12, August 1967 (Urbana, Illinois 61801). George W. White writes that this report is not just an alphabetical or chronological bibliography, but that it consists of summaries and extensive quotations of the actual statements of those who observed water conditions, both ground-water and streams, in the very early days. Any study today of these streams, such as the Illinois River, must take into account the fact that 200 years ago this stream was so clear sturgeon could be seen at depths of 25 feet! Scores of similar examples are in the report. Please write either to the Water Resources Center direct or to George W. White, Department of Geology, University of Illinois, Urbana, Illinois 61801, who will be more than happy to pass along your request, since he is deeply involved in this publication.

CONFERENCE ON THE GEOBOTANY OF SOUTHERN ONTARIO

On Saturday, 22 February 1969, a conference on the geobotany of southern Ontario and adjacent areas will be sponsored by the Department of Botany, University of Toronto, by the Royal Ontario Museum, and by Professor John H. McAndrews (100 Queen's Park, Toronto, Canada). In the tradition of last year's conference which was so successful at Bowling Green State University, an informal interdisciplinary meeting is planned where geologists and botanists with interests in plant geography, ecology, climatology, palynology, and Quaternary stratigraphy (and perhaps even coleopterology) may discuss their problems. Some time will be available for oral presentations, but most of the time will be used in verbal reflections and repartee. Please write John McAndrews to let him know you plan to attend and whether or not you might like to offer an oral presentation.

THE GEOMORPHOLOGIST

We expect to labor and bring forth another Geomorphology Newsletter, The Geomorphologist Number 13, by May of 1969. Ye Olde Editor will go into hibernation this winter for the express purpose of scholarly research, and will not be able to attend to matters Newsletter-wise until April and May. In the meantime, it will be up to YOU to send him (Sid White) all the news you have about your recently completed research, plans for the future (no secrets, please), your current research activity, suggestions for the next Newsletter, and any information you believe your fellow geomorphologist friends should know about -- all in the cause of Science and the Geomorphology Division!

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Did you know that these papers were published by these friends of ours?

- Parker, Garald G. and Jenne, Everett A., 1967, Structural failure of western highways caused by piping, in Highway Research Record, No. 203, Symposium on Subsurface Drainage: Natl Acad. Sci.--Natl Acad. Engr., Highway Research Board, Washington, D.C.
- Schumm, Stanley A., 1967, Paleohydrology: application of modern hydrologic data to problems of the ancient past, Internatl Hydrol. Symposium, Proceedings, v. 1, p. 185-93
- Eardley, A. J., 1967, Rates of denudation as measured by Bristlecone pines, Cedar Breaks, Utah, Special Studies 21, Utah Geol. and Mineral. Survey, p. 1-13.

Sidney E. White, Secretary

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Annual Newsletter of the Geomorphology Division

The Geological Society of America

Would you please send Sid White, the Editor, your news for The Geomorphologist - by
April 1st, 1969. Please use the space below, and send to:

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Columbus OHIO 43210