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THE GEOLOGICAL SOCIETY OF AMERICA

GEOMORPHOLOGY NEWSLETTER # 3

William D. Thornbury, Editor

July, 1958

As a result of the fact that the editor has not had the time, or at least has not taken the time, to write to members of the Geomorphology Group who in the past have contributed to the Newsletter and solicit contributions to the Newsletter, this issue is considerably shorter than previous numbers. Failure on the part of most members of the group to send in contributions has naturally raised in the editor's mind the question as to whether or not the Newsletter is serving any useful purpose. If material for it can be obtained only by the editor writing to persons and "begging" for contributions it seems very questionable as to whether or not we should continue to issue it. It does require a little effort on the part of the editor to get it in shape for reproduction and it involves time and expense on the part of the Geological Society of America to reproduce and mail it. It seems that a timely topic for discussion by the officers and panel members of the Geomorphology Group at the meeting next fall in St. Louis might well be "Do we want to continue the Geomorphology Newsletter and, if so, how can we make it an effective agent of the Geomorphology Group?"

Our faithful secretary, Herb Wright, reports the results of his investigation of the membership of the Geomorphology Group as follows:

As of June, 1957 our membership consisted of approximately 350 persons with the following associations:

University, college and museums	186
U. S. Geological Survey	64
Other federal agencies, including Canadian	22
Oil companies	34
State agencies	11
Miscellaneous	7
Unknown	26
Total	350

Professor H.T.U. Smith of the University of Massachusetts has the following translations in typescript for loan:

- J. Büdel..... Das System der Klimatischen Morphologie, 1948 (about Half).
- P. Baulig.... Essais de Geomorphologie.
- K. Sapper.... Geomorphologie der feuchten Tropen, 154 pages, of which pp. 12-20 are translated.

P. Woldstedt.. Das Eiszeitalter, Volume 1, 1954, of which chapter 4 (Present periglacial formation), Chapter 8 (Pleistocene periglacial), and chapter 17 (Causes of the ice age) are translated.

P. Birot..... Essays on problems of general geomorphology, chapter 2.

M. Pfannenstiel.Das Quartär der Levant-Kharga oasis.

J.R. Van Lopik, Assistant Chief, Geology Branch Waterways Experiment Station, Vicksburg, Mississippi reports that within the next two or three months the U.S. Army Engineer Waterways Experiment Station will publish a preliminary report entitled "Techniques for Preparing Desert Terrain Analogs". The method described in the report is a tentative one which they feel can be developed into an objectively-oriented analytical tool for describing, mapping, and comparing the terrains of areas differing in size, homogeneity, and available data. A limited number of copies of this report will be reserved for geomorphologists. If you are interested in obtaining a copy of the report address your request to: Geology Branch, Waterways Experiment Station, Corps of Engineers, U.S. Army, Vicksburg, Mississippi.

Herb Wright provided the following list of additional translations that are now available.

Professor A. Bauer, Strasbourg, has sent notice of the translation into French of the following Russian work:

Choumskiy, P.A., Principes de la connaissance
structurale de la glace. Ac. Sc.
URSS, Moscow, 1955, 492 pp. 124 fig.

The estimated cost is about \$20.00. Orders should be sent to,
Centre d'Etudes et de Documentation Paleontologiques, Museum
national d'Histoire Naturelle, 3 Place Valhubert, Paris V.

Prof. Bauer's organization (CEDP) lists several other
translations of Russian papers on petrology, paleontology,
paleoecology, geochemistry, and other subjects. Of special
interest to the geomorphologist are the following:

Okladnikov, A.P., Le Paleolithique et le Neolithique de
l'U.R.S.S. Translation No. 18 (1957)
by P. de Saint-Aubin. Price 10,000 frs.

Grichtchenko, M.N., Sur la paleogeographie du Bassin
du Don au Neogene et au Quaternaire.
Acad. Sci. URSS, 1952. Information on
the Quaternary in URSS in vol. 3,
pp. 145-157, 5 figs. Translation by
P. de Saint-Aubin in progress.

Translations available from other sources are:

Zonneveld, J.D.S., Waarnemingen Langs de Kust van Suriname.
Tijds, Konik., Nederl.Aardrijk, Genootschap, Vol. 71, No.1,
pp. 18-31, 1954. Translated by P. Groot
and W.A. Price, 1954. Available from

W.A. Price, Department of Oceanography,
Texas A. and M., College Station, for
10 cents.

Poser, H., Boden-und Klimaverhaltrisse in Mittel -
und Westeuropa während der Würmeiszeit,
Erdkunde, vol. 2, pp. 53-68, 1948. Mimeograph
translation by H.E. Wright, N. Prokopovitch,
and J. Schmautz, University of Minnesota, 1957

Büdel, J., Die "periglaziale" - morphologische Wirkungen
des Eiszeitklimas auf der ganzen Erde,
Erdkunde, vol. 7, pp. 249-260, 1953. Mimeo-
graphed translation by H.E. Wright and David
Alt, University of Minnesota, 1947.

In view of the fact that the Kirk Bryan Memorial Award
is to be given this year for the first time it may be appropriate
to call to your attention the fact that you as an affiliate of the
Geomorphology Group may make nominations of papers to be considered
for this award.

A complete statement of the rules governing the Kirk Bryan
Memorial Award is to be found on pages 5 and 6 of the Interim
Proceedings of the Geological Society of America, Part I, March, 1958.
The final choice of the paper for the award is made by the Council
of the Geological Society of America after due consideration of

recommendations made by an Award Committee of the Geomorphology Group consisting of the Geomorphology Panel and the Secretary of the Geomorphology Group, who has a vote only in case of a tie. The thing that we want to stress here is that you as an affiliate of the Geomorphology Group may make nominations of papers to be considered for this award by submitting a letter (seven copies) to the Secretary of the Geomorphology Group not later than January 30 making your recommendation with a brief statement of why you consider the paper worthy of the award. The paper shall have been published not more than five years prior to its selection for the award. Here is an opportunity for each member of the group to express his opinion as to what he considers an outstanding paper in geomorphology. Why not exercise your privilege in this respect? Certainly the Award Committee will appreciate having as many persons as possible make nominations.

Geomorphologists particularly interested in the problems of erosion, transportation and deposition of sediments may be interested in some of the publications of the Soil Conservation Service that deal with this aspect of geomorphology. Reprints of a series of papers presented in a "Symposium on watershed erosion and sediment yields" under the chairmanship of L.C. Gottschalk may be obtained by writing to L.C. Gottschalk, Soil Conservation Service, Department of Agriculture, Washington, D.C. Other reprints dealing with this general problem are available from the Soil Conservation Service.

In the process of thinning out the map files at the University of Minnesota, Herb Wright finds that he has about 2000 maps that are either duplicates or superceded maps. They represent about all the states and some are old and some are new. He will be glad to send part or all of them Express Collect to any college geology or geography department that would like to have them for instructional purposes.

Dr. Louis O. Quam, Head, Geography Branch, Office of Naval Research has been asked to coordinate the replies to the AAG questionnaire for the Commission of Applied Geomorphology, a notice of which was given in Geomorphology Newsletter #2. In an attempt to reach as many persons as possible we are running a translation of the questionnaire below. Any one who is interested in cooperating with the Commission of Applied Geomorphology please fill in the questionnaire on the next page and mail it to Dr. Quam and he will forward the results to the proper person.

R.R. - Put this on a separate page

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Commission of Applied Geomorphology Questionnaire

1. Name of specialist:

Primary specialty:

2. Organization in which research is done:

3. Nature of research (precise and concise explanation of the work undertaken and its objectives:

4. Financial conditions under which this work is undertaken (delete where not applicable or state briefly the type of organization):

A full time worker employed by an organization other than a university

University laboratory working for a non-university organization

Private research undertaken by a worker outside his principal activity

Detachment or temporary mission at an organization other than a university

5. Publications on work of applied geomorphology already done by investigator or by his organization.

6. Has the investigator developed any new research methods within the scope of the problems which he has encountered? If so, name their nature, and, if possible, give references to publications on this subject.