

1922 to 1938 (II) show a different behavior.

The correlation coefficients were therefore computed for each of the two portions. It follows for:— series I,

$$r = -0.119 \pm 0.111, \text{ and for series II,} \\ r = +0.352 \pm 0.148.$$

There is indeed a contradiction in

the nature of the two portions of the series. The first portion shows a negative correlation, the second a positive one. A warm summer should be followed by a cold winter in the first case, by a warm one in the second, if there were a real correlation. But there is no correlation discernible upon which further conclusions could be based.

### From the Seminars

#### Central Penna. Seminar

Following is a summary of the monthly meeting, held on November 14th at the Geophysical Laboratory of Pennsylvania State College:—

1. A general discussion concerning the development of the deep low of Nov. 10-11.
2. Mr. E. J. Fencl, Kylertown: An investigation into the factors affecting sub-stratosphere air liner operation which was supported by information kindly extended by Mr. Minser of TWA. There was general discussion following this mostly from a meteorological standpoint but also the economic side.
3. Mr. John Courtney: Relation of Lake Level cycles of Lake Ontario to Precipitation cycles. Definite 23 year cycle in lake level found and also the corresponding precipitation cycle. The lake level cycle followed precipitation cycle by about three years and following discussion attempted to assign a reason for this which was that the ground water and runoff and other factors affected this lag.
4. Dr. Neuberger, State College: A detailed study of three old weather proverbs "Rain on Friday, rain again on Sunday", "Rain before 7 end before 11", and "A ring around the sun or moon brings rain in 36 hours". The first was disposed of by some data and discussion to be absurd. The second was to be very much open to question; shown by a compilation of data, however, those present advanced opinions that there might be some logical grounds for such a proverb and it was possible that the proper questions had not been applied to the data. The third study into the relation of halos to imminent precipitation was quite revealing. It was broken down into types of halos and seasons as well as number of hours before occurrence of precipitation; the highlight was that 90% of wintertime halos are followed within 36 hours by rain.
5. Arrangements were made to hold our next meeting at The Pennsylvania State Teachers College at Lock Haven by the invitation of a member of their faculty who is also a member of our group.—*John Courtney, Secretary.*

### Announcements

#### Minutes of Meetings of Council, April 24

Meeting of the Council, April 24, 1940, 12:30-1:30 p.m., Auditorium, Interior Department. *Present:* President Reichelderfer, Messrs. Horton, Humphreys, Kincer, Little, Lockhart, Samuels, and Brooks, Secy.

(1) Voted, to approve the minutes of the meeting of Dec. 27-28, 1939, as published in the January BULLETIN, pp. 31-32.

(2) Voted, to place on record the following results of balloting by mail in reply to the Secretary's letter of Dec. 20, 1939:

(a) Voted to present the Bentley snow crystal prints to the Weather Bureau.

(3) Voted to place on record the following results of mail balloting in reply to the Secretary's letter of Mar. 16:

(a) Voted to increase the subscription price for the BULLETIN to \$3.50 from July 1, 1940.

(b) Voted to approve the formation of a Southeastern, St. Louis, and Iowa branch of the Society.

(c) Voted unanimously to elect Prof. C. F. Marvin to life membership.

(d) Voted to publish a 5th edition of the Namias booklet on air mass analysis [now out of print], and to finance its printing by an arrangement with the Harrigan Press similar to that for the 4th edition.

(e) Voted to prohibit withdrawals from the principal of the Society's indenture of trust with the Boston Safe Deposit and Trust Co., except on approval by  $\frac{3}{4}$  of the membership of the Council, which approval is to be certified before a notary by both the President and Secretary.

(f) Voted to elect the listed 62 applicants to membership in the Society:

Frank E. McLeary, Thomas W. Booth, P. H. Chapman, Kenneth E. Stanley, Ralph Anderson, H. F. Huennekens, Newton A. Lieurance, Robert E. Lynde, Wm. C. Brown, Jr., Byron