

The Station News

Vol. XXVI, No. 19.

May 13, 1936.

Geneva, N. Y.

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COMMISSIONER : The Station Club has been fortunate in obtaining as its guest speaker
TEN EYCK : for next Monday evening, May 18, Commissioner Peter G. Ten Eyck of
-----: the State Department of Agriculture and Markets. The meeting will
be held in the auditorium in Jordan Hall at 7:30 and will be followed by a social
hour. While Commissioner Ten Eyck was here for Dairy Day last year, this is the
first opportunity that has presented itself for him to meet the Station group as
such, and it is hoped that every member of the Club, who possibly can, especially
the ladies, will be on hand Monday evening to greet him.

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A STAFF : Invitations have gone out from the Staff for a reception to be held in
RECEPTION : honor of Mr. and Mrs. F. C. Stewart, in Jordan Hall, Thursday evening
-----: May 21, from 8:00 to 10:00.

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A TULIP ; The almost unprecedented speed with which spring has brought forth all of
SHOW : her delights at one time and right on the heels of a most disagreeable and
-----: long-lingering winter has rather upset the preconceived plans of garden
enthusiasts, with the result that the first flower show of the season to be staged
by the Geneva Garden Club will have to be a tulip show, fully two weeks ahead of the
usual date for that exhibit. The show will be held in Jordan Hall, Thursday and
Friday of this week, and will undoubtedly be well worth a visit. As most readers of
the NEWS know, Dr. Tressler is President of the Garden Club this year and Mr. Van
Eseltine director of exhibits. A new project of the Club which has met with unex-
pected response is a junior section in which girls and boys of Geneva and vicinity
undertake to manage fruit and vegetable gardens. The products of some of these gar-
dens will be important features of later Garden Club shows.

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JUDGING IN : Mr. Van Eseltine has been invited to serve on the committee of judges
ROCHESTER : of the Rochester flower show to be held in that city on May 21 to 23.

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DR. HEDRICK : Dr. Hedrick is rapidly recovering from an indisposition that has con-
IMPROVING : fined him to the Clifton Springs Sanitarium for the past few days. He
-----: hopes to return home soon.

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THE GOAT : The second national goat's milk scoring contest is well under way with
CONTEST : Mr. Marquardt again serving in the capacity of Director. Altho Jules is
-----: mainly interested in those angles of the contest which will prove of ben-
efit to goat breeders and in the accumulation of scientific data on goat's milk, he
is also gleaning many unusual and interesting bits of information from the contest.
A popular summary of the contest will be prepared for radio broadcasting over a
national hook-up on June 4. The broadcast will originate from station WGY and will
be made by the President of the American Goat Society. The Society is also reserving
copyrights over all reports of the contest in order to insure authenticity of all in-
formation going out on the contest which has aroused considerable public interest.

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BIDS CALLED : Specifications for printing the bulletins and circulars of the Station
FOR MAY 25 : for the fiscal year beginning July 1 have been sent to a number of
-----: interested printers with Monday, May 25, set as the time when the bids
will be opened.

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CONFERRING : Mr. Tapley left for Albany Monday afternoon to meet with the Executive
IN ALBANY : Committee of the State Vegetable Growers Association to discuss plans
-----: for the summer meeting of that organization. A tour of market garden
districts in the eastern part of the State is contemplated as the chief feature of
the summer gathering of vegetable growers.

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STATE : Just as a gentle reminder that if spring comes, the State Fair is not far
FAIR : behind, Dr. Hedrick has had official confirmation of the allotment of funds
-----: for the Station's exhibits. The amount is the same as last year, but there
is still considerable uncertainty as to the location of the Station exhibits. The
Dairy and Bacteriology Divisions are an exception to this statement, however, for
they are already fairly well along with plans for exhibits in the Dairy Building this
year, altho some aspects of the work of the Bacteriology Division may also go along
with the other Station exhibits. A decision as to where the remaining exhibits from
the Station will be located is expected in the near future.

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OBSERVING : Dr. Hazel Hatfield of the New York City Department of Health and in
METHODS : charge of the routine laboratory control of all of the milk coming into
-----: the City, visited the Bacteriology Division yesterday to study recent
developments in the bacteriological analysis of milk. Dr. Hatfield planned to join
the group of New York City milk inspectors who spent some time at the Station last
week in Cortland today where, under the direction of Dr. Yale, the specialists will
put into practice in an important milk area some of the things they studied here.

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OFF THE : Volume 33 of the Proceedings of the American Society for Horticultural
PRESS : Science, edited by Dr. Tukey and printed by the Humphrey Press of this
-----: city, is now available for distribution. There are 742 pages in the
volume which covers a wide range of interests, including small fruits, tree fruits,
vegetable crops, and flowers and ornamentals along lines of physiology, morphology,
genetics, and plant breeding. Contributions from the Station include articles by
Dr. Tukey, by Mr. Brase and Dr. Tukey, and by Mrs. Barrett and Dr. Tukey.

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SCIENCE IN : Dr. Tressler is spending most of this week in Dearborn, Mich., in
AGRICULTURE : attendance on the conference on "Science in Agriculture" held annually
-----: by chemists and industrialists under the leadership of Henry Ford.
The chief purpose of the conference is to find new uses for agricultural products for
industrial purposes. Many of the leading chemists and industrialists of the country
are on the program.

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AMONG THE : Visitors to the Seed Laboratory last week included Mr. Leslie Cook of
VISITORS : London, England, in charge of the seed control work for the British
-----: Ministry of Agriculture, and Prof. D. D. Hill and his agronomy class
from Cornell. Also, calling on the Bacteriology Division, was Mr. James T. Johnson
of Dairy Sealed, Inc., a subsidiary of Borden's which markets over 100,000 quarts of
milk daily in paper containers.

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WE NEARLY : Because we have seen him around the grounds almost continuously up un-
MISSED THIS : til the present time, we did not realize until just recently that
-----: "Bob" Bowers actually retired a year ago last April. He was immediate-
ly put in charge of the PWA fencing and drainage projects, however, and completed
that work only a short time ago. Now he is more of a visitor than one of the help,
but we hope that he will not neglect his many friends around the Station. Mr. Bowers
began work as chief mechanic at the Station in 1923 following several years service
with various Geneva industrial plants.

The Station News

FRED CARLTON STEWART

Forty-one years ago last December the Board of Control of the New York Agricultural Experiment Station appointed a young man to the position of mycologist at the newly-created Long Island Sub-station at Jamaica with instructions to devise means of eradicating diseases affecting carnations, an important problem of the day for that section of the State. Thus did Mr. Stewart enter upon a career that was to stretch over more than four decades of productive research and efficient administration of an important research department of the Station.

Upon arrival in Jamaica, Mr. Stewart found another member of the Staff, Mr. F. A. Serrine, already at work in an improvised laboratory located in a tenement house owned by an influential member of the Board of Control and occupied in part by a large family of foreign extraction. More suitable quarters were soon arranged for, however, and better working conditions established.

Three years later Mr. Stewart resigned this position and entered Cornell to continue work for an advanced degree only to decide that more could be accomplished thru travel. So with Mrs. Stewart, then a bride of a few months, he went to Europe where he was associated with some of the leading plant pathologists of the day at the University of Munich. Upon his return to the United States, he was appointed Botanist at this Station and made head of the newly formed Department of Botany. He entered upon his new duties here in August 1898.

Of the varied and important contributions that Mr. Stewart has made to science and to New York agriculture, we point to the 200 or more scientific articles, bulletins, and circulars which he has published, not to mention numerous popular articles, lectures, and the like that he has contributed during the years. A list of the 70 Station bulletins and circulars of which Mr. Stewart was either sole or joint author is appended. Suffice it to say here, that among his most notable contributions are his studies with potato diseases, particularly virus diseases, and their control, and extensive studies of both wild and cultivated mushrooms. He has also done much pioneer work with popcorn. For several years he has been devoting his spare time to a study of wild mushrooms and other large fungi in the Adirondack Mountains and has already assembled extensive notes which he hopes to amplify materially as opportunity permits.

To all of those who know Mr. Stewart, the attributes that are at once most apparent and most admired are his intense loyalty, his earnestness in whatever task he undertakes no matter how trivial, and his unwavering defense of his convictions. Two of his many outside activities testifying to this last characteristic are his interest in simplified spelling and his championship of the local prohibition movement which he once described as "the worst job I ever tackled". For several years he served on the Advisory (S.S.) Council of the National Simplified Spelling Board. Whether one agrees with Mr. Stewart or not, at least one never has any doubt regarding his position on a question or his sincerity.

But we at the Station are prone to think of the Stewarts chiefly from the standpoint of what they have contributed to the social activities of the institution, for it may be truly said that no two people have done more real work or given more freely of their time and energies to further the social life of the Station than have Mr. and Mrs. Stewart. And who can equal Mr. Stewart when it comes to making coffee for the Station parties? The answer is, No One!

And so, for this and many other reasons close to our hearts, we like to think of the occasion of Mr. Stewart's formal withdrawal from active administrative duties as simply the beginning of a new phase in his career when he will have more time for some of the things he has been wanting to do without our losing the personal contact with Mrs. Stewart and himself that means so much to all of us.

MR. STEWART'S STATION PUBLICATIONS

- Combating carnation rust. Bul. 100 (1896).
- Potato diseases on Long Island in the season of 1895. Bul. 101 (1896).
- Cucumber flea-beetle as the cause of "pimply" potatoes. Bul. 113 (1896).
- Cucumber downy mildew: What it is and how to prevent it. Bul. 119 (1897).
- Spraying potatoes on Long Island in the season of 1896. Bul. 123 (1897).
- A bacterial disease of sweet corn. Bul. 130 (1897).
- Experiments and observations on some diseases of plants. Bul. 138 (1897).
- Spraying cucumbers in the season of 1898. Bul. 156 (1898).
- Leaf scorch of sugar beet, cherry, cauliflower, and maple. Bul. 162 (1899).
- Notes on various plant diseases. Bul. 164 (1899).
- A fruit disease survey of the Hudson Valley in 1899. Bul. 167 (1899).

- Common diseases and insects injurious to fruits. Bul. 170 (1899).
- An anthracnose and a stem rot of cultivated snapdragon. Bul. 179 (1900).
- Experiments on the sulfur-line treatment for onion smut. Bul. 182 (1900).
- A fruit-disease survey of western New York in 1900. Bul. 191 (1900).
- Sterile fungus *Rhizoctonia* as cause of plant diseases in America. Bul. 186 (1901).
- An epidemic of currant anthracnose. Bul. 199 (1901).
- Notes from the Botanical Department. Bul. 200 (1901).
- Two unusual troubles of apple foliage. Bul. 220 (1902).
- Potato spraying experiments in 1902. Bul. 221 (1902).
- Raspberry cane blight and raspberry yellows. Bul. 226 (1902).
- Combating black-rot of cabbage by removal of affected leaves. Bul. 232 (1903).
- Potato spraying experiments in 1903. Bul. 241 (1903).
- Vitality of the cabbage black-rot germ on cabbage seed. Bul. 251 (1904).
- Potato spraying experiments in 1904. Bul. 264 (1905).
- Effect of certain arsenites on potato foliage. Bul. 267 (1905).
- Potato spraying experiments in 1905. Bul. 279 (1906).
- An outbreak of the European currant rust. Tech. Bul. 2 (1906).
- Dodder in alfalfa seed. Circ. 8 (1907).
- Potato spraying experiments in 1906. Bul. 290 (1907).
- Sporotrichum* bud-rot of carnations and silver top of June grass. Tech. Bul. 7 (1908).
- Troubles of alfalfa in New York. Bul. 305 (1908).
- Potato spraying experiments in 1907. Bul. 307 (1908).
- Potato spraying experiments in 1908. Bul. 311 (1909).
- Potato spraying experiments in 1909. Bul. 323 (1910).
- Notes on New York plant diseases, I. Bul. 328 (1910).
- Potato spraying experiments in 1910. Bul. 338 (1911).
- A comparative test of lime-sulfur, lead benzoate, and bordeaux mixture for spraying potatoes. Bul. 347 (1912).
- Potato spraying experiments, 1902-1911. Bul. 349 (1912).
- Experiment on control of currant cane necrosis by summer pruning. Bul. 357 (1913).
- The persistence of the potato late-blight fungus in the soil. Bul. 367 (1913).
- The injurious effect of formaldehyde gas on potato tubers. Bul. 369 (1913).
- Does *Cronartium ribicola* over-winter on the currant? Bul. 374 (1914).
- Potato spraying experiments at Rush in 1913. Bul. 379 (1914).
- The spindling-sprout disease of potatoes. Bul. 399 (1915).
- Potato spraying experiments at Rush in 1914. Bul. 405 (1915).
- Observations on some degenerate strains of potatoes. Bul. 422 (1916).
- Blackheart and the aeration of potatoes in storage. Bul. 436 (1917).
- The velvet-stemmed *Collybia*--a wild winter mushroom. Bul. 448 (1918).
- Missing hills in potato fields: Their effect upon yield. Bul. 459 (1919).
- Notes on New York plant diseases, II. Bul. 463 (1919).
- Experiments on the spacing of potato plants. Bul. 474 (1920).
- Further studies on effect of missing hills in potato fields and on variation in yield of potato plants from halves of the same seed tuber. Bul. 489 (1921).
- Potato seed experiments: Whole small tubers vs. pieces of large tubers of the same plant. Bul. 491 (1922).
- Spraying and dusting experiments with apples in 1922. Circ. 63 (1922).
- The relation of moisture content and certain other factors to the popping of popcorn. Bul. 505 (1923).
- Spraying and dusting experiments with apples in 1923. Circ. 70 (1923).
- Dusting vs. spraying experiments with potatoes. Bul. 518 (1924).
- Control of leafroll and mosaic in potatoes by isolating and roguing the seed plat. Bul. 522 (1924).
- Spraying and dusting experiments with apples in 1924. Circ. 78 (1925).
- How to know the mushrooms and toadstools. Circ. 82 (1925).
- Spraying and dusting experiments with apples in 1925. Circ. 84 (1926).
- The nice ink-cap or glistening *Coprinus*. Bul. 535 (1926).
- Experiments with cottonseed meal in mushroom culture. Bul. 546 (1927).
- Aphids as vectors of leafroll among sprouting potato tubers. Tech. Bul. 171 (1930).
- Aphids on potato sprouts. Circ. 119 (1931).
- Relative vigor and productivity of potato plants from basal and apical sets. Bul. 633 (1933).
- A potato seed plat roguing experiment. Bul. 655 (1935).
- Relative vigor and productivity of potato plants from basal and apical sets cut from tubers in different stages of sprouting. Bul. 658 (1936).
- The uncertain *Hypholoma*. Bul. 666 (1936).

May 21, 1936.