THE OHIO STATE UNIVERSITY
EVALUATION PROGRAM

FACULTY MEMBER'S ANNUAL REPORT
(Copies to Department Chairman, Dean, and President)

Name: NEWMAN, MELVIN S.
Dept: Chemistry
Period: 10-44 to 10-45

This report is intended to provide an opportunity to the Faculty member to suggest changes in his work and relationships that seem to him desirable and to record, for the period covered, his professional activities that seem to him most significant. It will be preserved as a part of his permanent personnel record in the University and will be used as one of the bases for the annual evaluation of faculty members required of Chairmen of Departments.

I. What do you regard as the greatest handicaps or obstacles to your effectiveness and service during the period covered by this report?

II. What new or changed opportunities for service or development do you desire the University to provide for you in the immediate future?

III. Activities for the period 10-44 to 10-45

Please arrange your report under such of the following headings as are applicable to your activities. Omit items that are not applicable. Number those used to correspond to the numbering in the list:

1. Teaching. (Do not list courses taught. Rather, report any experiments or noteworthy results in your teaching.)
2. Relationships to students and student activities.

(Over)
3. Research Projects undertaken, underway, completed.
4. Productive and Creative Activities (other than those covered by Nos. 1 to 3 and not including publications).
5. Administrative and Committee Assignments and activities (Departmental, College, and University, but not extra-University services).
6. Professional activities and responsibilities outside the University.
7. Community and Public Relations (not included under No. 6).
8. Publications not elsewhere listed by this report.
9. Honors and distinctions received during the period, not covered by other sections of this report.
10. Other activities or accomplishments not covered by headings provided:

1. Worked up new course. Worked on improvement of older ones.
2. Faculty adviser for Freshmen and Senior Division B.S. majors in Chem.
3. About 6 publications, research in progress.
4. Supervised much War research.
6. Chairman, Columbus Section, Am. Chem. Soc.
7. Den Father, cub scouts.
8. 
9. 

(Over)
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I. What do you regard as the greatest handicaps or obstacles to your effectiveness and service during the period covered by this report?

None

II. What new or changed opportunities for service or development do you desire the University to provide for you in the immediate future?

Would like a high pressure laboratory installed.

III. Activities for the period January 1, 1945 to January 1, 1947

Please arrange your report under such of the following headings as are applicable to your activities. Omit items that are not applicable. Number those used to correspond to the numbering in the list:

1. Teaching. (Do not list courses taught. Rather, report any experiments or noteworthy results in your teaching.)

2. Relationships to students and student activities.

(Over)
3. Research Projects undertaken, underway, completed.

4. Productive and Creative Activities (other than those covered by Nos. 1 to 3 and not including publications).

5. Administrative and Committee Assignments and activities (Departmental, College, and University, but not extra-University services).

6. Professional activities and responsibilities outside the University.

7. Community and Public Relations (not included under No. 6).

8. Publications not elsewhere listed by this report.

9. Honors and distinctions received during the period, not covered by other sections of this report.

10. Other activities or accomplishments not covered by headings provided:

1. Teaching. Have worked on development of courses in advanced organic chemistry; both theoretical and laboratory.

2. Advisor to B.S. majors in Chemistry. Arts-Graduate curriculum.


4. Arts College Executive Committee, Chairman Fellowship Committee, Chemistry Department.


6. Have given numerous talks before chemistry groups at other Universities.

Publications


"Trifluoroacetic Acid as a Condensing Agent. J. Am. Chem. Soc., 67, 345-6 (Feb. 1945)


(Over)
"Improved Preparation of Isopropylidene Glycerol (with Mary Renoll) J. Am. Chem. Soc., 67, 1621 (Sept. 1945)

"The Catalytic Dehydrogenation of 1-Substitute 1,2,3,4-Tetrahydronaphthalene Derivatives (with Fr. Timothy J. O'Leary) J. Am. Chem. Soc., 68, 258-61 (Feb. 1946)


Note on Darzens-Claisen Reaction (with Barney J. Magerlein) J. Am. Chem. Soc., 69, 469-470 February (1947)


A Series of w-Alkyl-mercapto and w-alkylsulfonyl Acids (with Allen Smith and Lawrence Rapoport) J. Am. Chem. Soc., 69, 693 March (1947)

New Compounds as Plant Growth Regulators (with William Fones and Mary Renoll) J. Am. Chem. Soc., 69, 718 March (1947)
Melvin S. Newman

Dr. Melvin S. Newman, professor in the department of chemistry at Ohio State University, is nationally known for his work in synthetic and theoretical organic chemistry. He has been a member of the faculty since 1936.

A native of New Orleans, La., Dr. Newman attended Yale University, where he received the bachelor of science degree in chemistry in 1929 and the Ph.D. degree in 1932.

Among other honors, Professor Newman holds membership in the National Academy of Sciences, a membership recognized as one of the highest distinctions which can come to an American scientist.

In 1961, the American Chemical Society announced the selection of Dr. Newman to receive the Synthetic Organic Chemical Manufacturers' Association award for his creative work in synthetic organic chemistry. Dr. Newman served as chairman of the Division of Organic Chemistry of the ACS in 1958.


Dr. Newman served as visiting professor at UCLA in 1949 and at the University of Mexico in 1951. In 1957, he was visiting Fulbright Professor at the University of Glasgow, Scotland and in 1961 he received a Fulbright travel grant from the Department of State to lecture at the University of South Wales, Sydney, Australia.

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Publications of Dr. Melvin S. Newman


306. M. S. Newman and J. A. Cella, "A general route to 2,3-diacetyl-1,4-dihydro 1,4-disubstituted 1,4-epoxynaphthalenes and 1,4-disubstituted 2,3-naphthalic anhydrides," J. Org. Chem., 38, 3482, 1973.


320. M. S. Newman, H. M. Dali, and W. M. Hung, "Synthesis of 1,4-dihydro-1,4-dimethyl-1,4-epoxynaphthalene and conversion to 1,4-dimethyl-1,2,3,4-tetrahydronaphthalene and 9-diacylbenzene," J. Org. Chem., 40, 262, 1975.


NEWMAN


He was born on March 10, 1908 in New York City, raised in New Orleans, educated at Yale (B.S. Magna Cum Laude 1929. Ph. D 1932) with postdoctoral fellowships at Yale, Columbia, and Harvard. Dr. Newman joined the Ohio State University Chemistry Department in 1936 and retired as Regent Professor in 1976. During his distinguished career, he directed the Ph. D theses of over 110 students and the master's theses of over 40 students. He is the author of over 350 publications in scientific journals and is the author of two books: "Steric Effects in Organic Chemistry" (Wiley, 1956), and "An Advanced Organic Laboratory Course" (Macmillan, 1972). Dr. Newman has been a member of the editorial boards of the Journal of the American Chemical Society, Journal of Organic Chemistry, and Organic Syntheses. He has been a Fulbright Lecturer, a Guggenheim Fellow, a member of the National Academy of Sciences, a recipient of the Roger Adams Award from the American Chemical Society (ACS), Morley Medal from Cleveland ACS, the Cross Medal from Yale, and the Sullivant Medal from Ohio State. He has Honorary D.Sc. degrees from University of New Orleans, Bowling Green State University, and Ohio State University. He has been a consultant to various corporations such as International Flavors and Fragrances, DuPont, Pittsburgh Plate Glass, and Upjohn.

A commemorative gathering will be held at Ohio State University. Consult the paper for further notice or call the Chemistry Department 292-2231. Any donations in memory of Dr. Newman may be made to the Chemistry Department or to a charity of choice.

Arrangements by SCHOEDINGER NORTHWEST CHAPEL. 1740 Zollinger Rd.
Accomplished chemistry professor dies at age 84

By Tim Haskett
Lantern staff writer

Melvin S. Newman, professor of chemistry emeritus, died in his home Sunday. He was 84.

"He was a very admired, long-time member of our faculty," said Russell Pitzer, chair of the Department of Chemistry.

Newman received bachelor of science and doctoral degrees from Yale University and joined the faculty of Ohio State in 1936, where he remained his entire career.

In 1956, Newman was recognized for his work in chemistry by his election to the National Academy of Sciences, making him one of only three OSU faculty to share this honor.

In 1976, he received the Joseph Sullivant Medal from Ohio State in addition to numerous other awards and honorary degrees.

As a teacher and researcher at Ohio State, Newman made many advances in the field of organic chemistry.

Among his contributions was the Newman Projection method, known by chemistry students as a standard way to depict and understand the relative orientation of molecular rectification and stability.

Newman's love for research continued past his retirement in 1978. He was researching the synthesis of new organic compounds a few months ago.

Newman's research and collaboration with others in the field resulted in the publication of 340 scientific papers and two books.

In addition to Newman's research, he had a particular interest and commitment to his students. During his career, he advised 42 masters of science students, 112 doctoral students and 115 postdoctoral fellows.

Newman also worked extensively to provoke the interest of high school students in the field of science.

He is survived by his wife, Beatrice, and their four children.
RESOLUTIONS IN MEMORIAM

Melvin S. Newman

The Board of Trustees of The Ohio State University expresses its sorrow upon the death on May 30, 1993, of Melvin S. Newman, Professor Emeritus in the Department of Chemistry.

Professor Newman was born on March 10, 1908, in New York, New York, and was raised in New Orleans, Louisiana. He attended Yale University (B.S., Magna Cum Laude, 1929; Ph.D., 1932) and held postdoctoral fellowships at Yale, Columbia, and Harvard Universities. He joined the Chemistry Department of The Ohio State University in 1936 as an Instructor and was rapidly promoted, becoming Professor in 1944. In 1966, he was named one of the first three Regents Professors at Ohio State, a title he held until his retirement in 1978. Professor Newman was a distinguished teacher and researcher in Organic Chemistry. He was a superb lecturer who inspired experimental skill and research productivity in his students and his colleagues. While always carrying out his own laboratory program, Dr. Newman directed the research of 118 postdoctoral fellows, 112 Ph.D.s, 42 M.S. candidates and many superior high school science students. Many of Professor Newman’s students have become outstanding academic and industrial scientists. He was the author of over 350 scientific publications and two books: Steric Effects in Organic Chemistry (Wiley, 1966) and An Advanced Organic Laboratory Course (Macmillan, 1972).

Dr. Newman’s research contributions included: synthesis and the cancer-producing behavior of polybenzenoid hydrocarbons, steric acceleration and retardation in chemical reactions, new sterically-strained compounds, and capture of unsaturated carbenes. novel synthetic methods, advantageous preparation of vitamin A, and the effects of shape on chemical behavior. His end-on representations of molecular structure have had major effective in understanding the behavior of molecules and are known to chemistry students worldwide as Newman Projection Formulas.

Professor Newman served as a Fulbright Lecturer and a Guggenheim Fellow and was elected to the National Academy of Sciences in 1956. He received the Synthetic Organic Chemistry Award from the American Chemical Society in 1961; the Molotov Medal from the Cleveland ACS Section in 1969; the Cross Medal from Yale University in 1970; the Sullivan Medal from The Ohio State University in 1975; the Columbus ACS Section Award in 1975; and the Roger Adams Award in Organic Chemistry from the American Chemical Society in 1979.

He was awarded honorary degrees from the University of New Orleans, The Ohio State University, and Bowling Green State University. Professor Newman was a member of editorial boards of Organic Syntheses, the Journal of Organic Chemistry, the Journal of the American Chemical Society, and Synthetic Communications. The M.S. Newman Professorship was established at The Ohio State University in 1979. Professor Newman also served as a consultant for many major chemical companies. He was a lover of the music of Louis Armstrong, golf courses all over the world, and above all, his personal laboratory at Ohio State which he used on a daily basis until his death.

On behalf of the University, the Board of Trustees expresses to the family of Professor Newman its deep sympathy and sense of understanding in their loss. It was directed that this resolution be inscribed upon the minutes of the Board of Trustees and that a copy be tendered to the family as an expression of the Board’s heartfelt sympathy.