**University Sets** 

Language Post

For Wadsworth

has been named associate professor of Romance languages at the University, effective September

A graduate of the University

of London, he completed work

for his master of arts and dector of philosophy degrees at Harvard

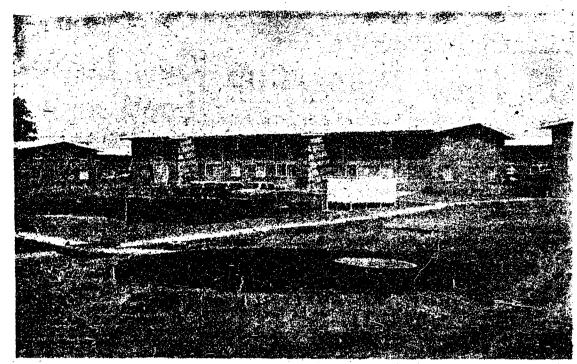
ture of the Medieval Period and

He is at present planning the

Dr. Joseph A. Dixon, associate

professor of chemistry, has re-

James B. Wadsworth.



FACILITIES-New housing project for married graduate students on East campus includes play areas for kids, bike shelters and sufficient parking area.

# Engineering Prof Develops 2 Gauges

Dr. George U. Oppel, professor of engineering mechanics, has invented two types of photoelastic strain gauges which he has been serving since 1946 provide accurate, visual indication of principal stresses and literature at Corpus Christie Colstrains without complicated computations.

The gauges—a photoelastic strain compass and a photo-

elastic strain magnitude gauge
are new being manufactured by stress" method which Dr. Oppel sor of English at the University write a textbook in the field of Magnetic Resonance Spectra of Some Higher Hydrocarbons."

The gauges utilize the "frozen sity and in 1958, visiting profestive and in 1958, visiting profestive at textbook in the field of Magnetic Resonance Spectra of California at Berkeley.

Some Higher Hydrocarbons."

He is a graduate of Trinity throughout the world in three-College, Oxford, where he resolved the backeler of letters de-

requiring no external connections. They have built-in light polarizers which permit use in natural or artificial light.

The gauges can be used on wood, concrete or metal. They are glued directly to the surface of the specimen being tested.

They are extremely light and relatively inexpensive and can replace the heavy, expensive electronic equipment necessary in the application of electrical gauges previously used for this work.

Oppel's gauges secure information formerly obtainable only from many rosettes of electrical resistance strain gauges, multi-ple metering units and hours of tedious calculation.

A number of these gauges may be observed together to provide an instantaneous indication of stress distribution over a relatively large area.

The gauges were completed after Oppel, a native of West Germany, came to Penn State in 1956, but were based on his re-search dating back to 1937 at the Technical University of Munich.

Exctory Authorized VOLKSWAGEN Salon-Partn-Service '60 Beluxe Sedan YNO SALES CO. 1960 E Third St. Willi Thone 3-4683 Williamsport, Pa

He also developed the "photostress" method for stress analysis of metal structures and the "frozen strain" method for monwealth Fellow. three-dimensional strain analy-

sis of rubber parts. (Continued on page eight)

## Visiting Prof

ing professor of English at the master of library service degree. Chem Research Grant University, effective Sept. 1.

lege, Cambridge University, in

Cambridge, England.

In 1955, he was visiting profesleave f absence from Sept. 1 to his research.

The new grant of \$8,280 will sor of English at Cornell UniverAug. 31, 1961.

During this period he plans to assist research on "The Nuclear During this period he plans to assist research on "The Nuclear Of Magnetic Resonance Spectra of During this period he plans to assist research on "The Nuclear During this period he plans to assist research on "The Nuclear During this period he plans to assist research on "The Nuclear During this period he plans to assist research on "The Nuclear During this period he plans to assist research."

Oppels gauges are direct-read-dimensional photoelastic stress ceived the bachelor of letters de-ng, self-contained inframents, analysis. degree, both with majors in English. He also studied in 1927-29 at Harvard University as a Com-

> Professor Bateson's research has been in the field of literary Oppel is an adviser on structur-history, with special concern for mechanics to the Army's Bal-poetry, literature of the 18th century, and modern literature.



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## Faculty Leaves

### Benton Granted Leave

Dr. Thomas C. Benton, professor of mathematics, has been granted a leave of absence from visiting professor of French at Feb. 1 to June 30, 1961.

Dr. Benton plans to go to Eng.

Dr. Benton plans to go to England for a couple of months to consult on courses taught in advanced studies on hydrodynamics and similar fields. He also plans to do some research in applied mathematics.

#### Bloom to Do Research

loom to Do Research University.
Dr. James R. Bloom, associate: In 1947, he was named a teachprofessor of botany and planting fellow in French at Harvard pathology has been granted a and continued there until 1959 leave of absence from Jan. 1 to as instructor and later, assistant professor of Romance languages. June 30, 1961.

Dr. Bloom plans to spend this! Wadsworth, who speaks French period at North Carolina State and Italian fluently and reads College, Raleigh, N.C., studying easily French, Italian. Latin and and doing research in the field of Provencal, as well as Old French, is widely recognized as a special-ist in French and Italian literanematology.

#### Mann Granted Leave

of the Renaissance. Charles W. Mann, Jr., curator of Bateson Named rare books and manuscripts in publication of several books, one the University Library, has been on the intellectual life of Lyon, granted a leave of absence from 1473 to 1503; another on a critical edition of Ficino's "Sopra lo Mr. Mann will attend Rutgers Amore": and a third on an edi-

Frederick Wilse Bateson has University Graduate School of tion on Villon. been named distinguished visit-Library Service to work on his He will study means and methods Gives Dixon Renewal A native of Chesire, England, of working with rare books.

G. William Henninger, profesthe American Chemical Society, or of music has been granted. sor of music, has been granted a Petroleum Research Fund, for leave of absence from Sept. 1 to his research.

## DELICIOUS

You haven't had a good steak until you've gone to Duffy's in Boalsburg. Your exact specifications will be followed. Bring some of your friends out this weekend. Your favorite

## FRIENDLY

beverages are served. Why not pleasantly surprise your date or wife and take her cut to Duffy's this weekend? The surroundings are just like home - she'll love the rustic country flavor, which makes the food taste even better. Your favorite beverages are served.

## TRADITION

Duffy's Tavern is a mere four miles from State College and it's worthwhile going out. You'll see why it has been a Penn State tradition for so many years. Don't be worried about dress, either - it's informal. Your as welcome as one of the family.

## ALUMNI

Duffy's is just the way you re member it — friendly and old fushioned. The delicious food is cooked and served to your own specification. Duffy's will bring back pleasant memories of your college years, whether you graduated in '10 or '68. Why not come out for dinner?

## Duffy's Tavern

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