

*Mr. Howell*

ANNUAL REPORT OF PSYCHOLOGY DEPARTMENT

Reporting Period: from September, 1965 to September, 1966

I. Faculty

A. Faculty Honors

Dr. William F. Grossnickle has been elected to full membership in Sigma Xi.

Dr. Clinton R. Prewett has been re-elected to the Executive Committee of the North Carolina Psychological Association.

Dr. Monnie Hedges and Dr. Charles C. Mitchell are psychological consultants to various school systems.

Dr. Charles C. Mitchell and Dr. William F. Grossnickle have served as psychological consultants to Weyerhaeuser Corporation.

Dr. Clinton R. Prewett has been named to the Southern Regional Education Board committee to study training in clinical psychology.

Dr. William F. Grossnickle and Dr. Charles C. Mitchell served as psychological consultants to the Huntington National Bank, Columbus, Ohio.

Mr. Graham Burkheimer was invited to present a paper, "Maximum Reliability of Multiple Choice Tests in Terms of Number of Items, Number of Alternatives, and Group Homogeneity," at the North Carolina Psychological Association annual meeting.

Dr. Clinton R. Prewett was a participant in the Executive Development Seminar on the campus of East Carolina College during the past year.

Dr. Clinton R. Prewett was re-elected to the editorial board of The High School Journal.

Dr. Donald W. Zimmerman addressed the graduate faculty and students of the Psychology Department of the University of South Carolina at a colloquium.



B. Faculty Publications

- Zimmerman, D. W., Williams, R. H. & Rehm, H. H. Test reliability when error scores consist of independent and non-independent components. Journal of Experimental Education (in press).
- Williams, R. H. & Zimmerman, D. W. Some conjectures concerning the index of reliability and related quantities when true scores and error scores on mental tests are not independent. Journal of Experimental Education (in press).
- Zimmerman, D. W. & Williams, R. H. Independence and Non-Independence of true scores and error scores in mental tests: assumptions in the definition of parallel forms. Journal of Experimental Education (in press).
- Zimmerman, D. W. & Williams, R. H. Generalization of the Spearman-Brown formula for test reliability: the case of non-independence of true scores and error scores. British Journal of Mathematical and Statistical Psychology (in press).
- Zimmerman, D. W. & Williams, R. H. Interpretation of the standard error of measurement when true scores and error scores on mental tests are not independent. Psychological Reports (in press).
- Zimmerman, D. W., Williams, R. H., Rehm, H. H. & Elmore, W. Empirical estimations of intercorrelations among the components of scores on multiple-choice tests. Psychological Reports (in press).
- Williams, R. H., Zimmerman, D. W. & Burkheimer, G. J. The effect of non-independent error of measurement on correlations among tests: a correction for Spearman's correction for attenuation. Journal of Experimental Education (in press).
- Burkheimer, G. J., Zimmerman, D. W. & Williams, R. H. The maximum reliability of a multiple-choice test as a function of number of items, number of choices, and group heterogeneity. Journal of Experimental Education (in press).
- Zimmerman, D. W., Williams, R. H. & Burkheimer, G. J. Dependence of reliability of multiple-choice tests upon number of choices per item: prediction from the Spearman-Brown formula. Psychological Reports (in press).
- Zimmerman, D. W., Williams, R. H. Chance success due to guessing and non-independence of true scores and error scores in multiple-choice tests: computer trials with prepared distributions. Psychological Reports, September, 1965, 159-165.
- Zimmerman, D. W. Review of the films "One Pigeon's Career" and "Complex Behavior Chaining." Contemporary Psychology (in press).



C. Faculty on Leave

Dr. John R. Clarke, postdoctoral study at the University of Colorado Medical School.

D. Faculty Summer Activity

1. Further Study  
None
2. Research  
None
3. Other purposes  
None

E. Faculty members not on tenure:

Miss Nannette McLain  
Dr. Donald W. Zimmerman  
Dr. Thomas E. Long  
Dr. W. F. Grossnickle  
Dr. Charles C. Mitchell  
Mr. Franklin J. Sadlack  
Dr. Monnie Hedges  
Dr. Harry A. Williams  
Dr. James Higgins  
Mr. Graham Burkheimer

F. Faculty members awarded degrees since last report:

Robert B. Graham--Ph.D.

G. Faculty members within two years of retirement:

None

H. Faculty members with released time:

None

I. Faculty members whose highest degree is outside their teaching field:

None

J. Faculty members on one-year appointment:

Mr. Franklin J. Sadlack  
Mr. Graham Burkheimer



K. Additional comments:

1. The following faculty members are extremely attentive to counseling needs of students and working with Departmental affairs:

Mrs. Hazel Stapleton  
 Dr. W. F. Grossnickle  
 Mr. C. R. Dixon

2. Outstanding classroom teaching:

Miss Nannette McLain  
 Dr. Robert B. Graham  
 Mr. Franklin J. Sadlack  
 Dr. Julia Marshall

3. Outstanding in working with over-all College problems:

Dr. Charles C. Mitchell

4. Outstanding in graduate counseling and instruction:

Dr. Thomas E. Long

5. Outstanding in research capability:

Dr. Donald W. Zimmerman  
 Mr. Graham J. Burkheimer

6. Careful attention to building up the library resources:

Dr. C. T. Martoccia

II. Students

A. Departmental Majors:

1. Fall, 1965--300  
 Fall, 1966--366
2. Number of majors in Departmental Honors Program--None
3. Total number of majors on probation during period covered--85
4. Total number of majors on probation during Spring Quarter--71
5. Student honors--None

III. Curriculum

A. New degree programs added or deleted--None

- B. New major or minor requirements: A new check sheet has been developed



consistent with the over-all changes in the general education program of the College. Certain minor revisions were made concerning the minor in psychology. All of this information is available from the check sheet.

- C. Courses added or deleted since the last report: Psychology 343G-- Psychology of Organization Behavior was added.
- D. Courses not taught for the past two years that are still listed in catalog--None
- E. Special lectures or special academic programs sponsored by the Department:  
Dr. William McGehee, Director of Personnel Research, Fieldcrest Mills

#### IV. Instruction

- A. Comment on Departmental practice in regard to:
1. Freshman and sophomore honors program: The Department is working on a plan to present for an honors program in psychology.
  2. Uniform grading practices in multiple section courses: In Psychology 50 we have had a number of group discussion meetings with all the professors involved in order that some uniformity might be achieved in grading.
- B. Average Departmental teaching load--13 hours. Attention should be drawn to the fact that our student-teacher ratio is still very high. We realize that the College has tried to help us by granting additional faculty members. We were unable to employ persons for all the vacancies. We hope that our next report will show a decrease in student-teacher ratio.
- C. Comment on what is being done to attain or to maintain a strong consistent faculty demand for higher quality student performance.

We are very well satisfied with the rigor of our graduate program. Many students are denied admission to the graduate program here. In fact, we maintain a cut-off point of 1000 on the Graduate Record Examination or a raw score of 57 on the Miller Analogies Test. Also, a thorough scrutiny of the student's undergraduate transcript is made by the Admissions Committee in the Psychology Department. Finally, the course work itself is quite demanding and weak students have practically no chance of getting through.

The undergraduate program is still a matter of concern. We have a bimodal distribution of about 200 very good students and about 150 are weak students. I do not know how long this will obtain at this College. It is folly for a very weak student to try to go through the program since he must complete the demanding aspects of the general



education program and the work in the psychology major itself.

It is important to point out that the Department received an excellent rating from the visiting team in regard to the medical school at East Carolina College. We also would like to mention that our students who have finished the program here are doing very well in fine graduate schools throughout the country.

#### V. Departmental Development

- A. List areas of specialty within the field that are thought to be necessary or desirable to the present program or to the early expansion of the program in which the Department (1) has no qualified faculty member or (2) where the qualified faculty member within that field is within two years of retirement:

None

- B. List national honor society or societies in which Department is affiliated noting new affiliations since last report.

We have been approved for Psi Chi, a national honor society in psychology, and the formal installation program will take place in December of this year.

- C. If Department is not affiliated with a national honor society list any steps being taken to gain affiliation.

- D. List any honors or awards given to the Department since the last report:

1. Excellent report by the visitation team of the medical school evaluation team.
2. Outstanding performance of students doing graduate work elsewhere.
3. Recognition of scholarship and research by the articles of Dr. Zimmerman, Dr. Williams, and Mr. Burkheimer.
4. The invitation of the Southern Regional Education Board to describe our Master's program in clinical psychology. This program is being used somewhat as a model in various parts of the country.

#### E. Grants and Subsidies

1. List all grants and subsidies to the Department or to faculty members within the Department including the following information for each such grant or subsidy:



a. Source of funds:

North Carolina Department of Mental Health.....\$10,800  
North Carolina Medical Care Commission.....\$ 6,000

2. List proposals made during the reporting period and note the current disposition:

Undergraduate Instructional Scientific Equipment (National Science Foundation) Approved

An Investigation of Non-Independence of Components of Scores on Multiple-Choice Tests. (U. S. Office of Education) Approved