

ANNUAL REPORT OF PSYCHOLOGY DEPARTMENT

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Reporting Period: September 1970 to September 1971.

I. Faculty

A. Faculty Honors

Dr. Clinton R. Prewett: Was installed as President of the North Carolina Psychological Association.

Dr. Charles C. Mitchell: Selected for membership in "Who's Who in the South" and "Outstanding Educators of America." Appointed as Chairman of the Legislative Committee of the North Carolina Psychological Association.

Dr. Charles H. Moore: Was appointed Co-Chairman, Southeastern Psychological Association symposium.

Dr. Dennis Roberts: Was appointed assistant book review editor for Educational and Psychological Measurement.

Dr. William F. Grossnickle: Selected for membership in "Outstanding Educators of America" and "Who's Who in the South." Chairman, University Curriculum Committee; Chairman, Senate Agenda Committee; Senate; Due Process Committee; Ad Hoc Committee for General Education requirements.

Dr. Thomas E. Long: Chairman, North Carolina Psychological Association's Committee on Ethics and Professional Practices.

Dr. Betty Jane Corwin: Advisor, Psi Chi; served as judge in national Psi Chi research competition.

B. Faculty Publications

Mitchell, Charles C., Mallenbaum, Victor, Prewett, Clinton R., and Long, Thomas E. Freud and the religion of Moses: A conjectural study. (Submitted to Journal of the History of the Behavioral Sciences.)

article - ✓
Moore, Charles H. Vicarious verbal conditioning in a quasi-group therapy situation. Behavior Therapy, 1971, 2, 40-45.

Tacker R. S. and Daniel, P. N. Individual differences in preferred modality of stimulus input. (Pending)

manuscript - ✓
Roberts, Dennis and Formo, Tony. Descriptive statistics. Toronto: RobForm Publications, 1971.

article - ✓
Roberts, Dennis M. University admission testing: are changes needed in philosophy and use? Orbit, The Ontario Institute for Studies in Education, 1970.

article - ✓
Khan, S. B. and Roberts, Dennis M. Factorial stability of academically relevant affective characteristics. Measurement and Evaluation in Guidance, 1970, Vol. 3, 4, 209-212.

article - ✓
Roberts, Dennis M. and Valisno, Mona. Relationships between aptitudes and vocabulary learning at difference stages of practice. Canadian Journal of Psychology, Summer, 1971.

B. Faculty Publications (Continued)

Roberts, Dennis M. Book review of Research in Education (2nd ed.) by John W. Best, Educational and Psychological Measurement, Autumn, 1971.

Roberts, Dennis M. Book review of Handbook in Research and Evaluation by Stephen Isaac and William B. Michael, Educational and Psychological Measurement, Autumn, 1971.

article - ✓ Long, Thomas E. The MA clinical psychologist: an emerging professional in search of family ties. NCPA Quarterly Bulletin, Spring 1971, pp. 9-16.

article - ✓ Walker, Don W., Means, Larry W., and Isaacson, Robert L. The effects of hippocampal and cortical lesions on single-alternation go, no-go acquisition in rats. Psychon. Sci., 1970, Vol. 21(1).

article - ✓ Means, Larry W., Walker, Don W., and Isaacson, Robert L. Facilitated single-alternation go, no-go acquisition following hippocampectomy in the rat. Journal of Comparative and Physiological Psychology, 1970, Vol. 72, No. 2, 278-285.

article - ✓ Means, Larry W., Leander, J. David and Isaacson, Robert L. The effects of hippocampectomy on alternation behavior and response to novelty. Physiology and Behavior, 1970, Vol. 6, pp. 17-22.

article - ✓ Means, Larry W. and Douglas, Robert J. Effects of hippocampal lesions on cue utilization in spatial discrimination in rats. Journal of Comparative and Physiological Psychology, 1970, Vol. 73, No. 2, 254-260.

article - ✓ Means, L. W., Hardy, W., Gabriel, M. & Uphold, J. Utilization of odor trails by rats in maze learning. Journal of Comparative and Physiological Psychology, 1971.

Means, L. W., Woodruff, M. L. & Isaacson, R. L. The effect of a 24 hour intertrial interval on the acquisition of a spatial discrimination by hippocampally damaged rats. Submitted: Physiology & Behavior.

Walker, D. W., Messer, L. G., Freund, G. & Means, L. W. The effect of ITI on single alternation performance in the hippocamectomized rat. Submitted: Journal of Comparative & Physiological Psychology.

C. Faculty on Leave--None

D. Faculty Summer Activity

1. Further Study:

Mrs. Hazel F. Stapleton--pursued doctoral study at the University of North Carolina at Chapel Hill.

Wilbur A. Castellow--pursued doctoral study at the University of North Carolina at Chapel Hill.

2. Research:

Hazel F. Stapleton--Study of achievement motivation among able 9th grade students.

2. Research (Continued):

Dr. Charles H. Moore--Studies in Induced anxiety as a function of massed vs. spaced practice; Induced anxiety as a function of modeling; Aversive conditioning of smoking behavior; Induced anxiety as a function of vicarious learning.

Dr. R. S. Tacker--Studies in Secondary punishment of step-up escape; The fertilization of post-ovulatory aged rat ova and associated offspring divergence; Effects of secondary punishment on schedule-induced aggression; Prenatal conditioning of the chick embryo; Punishment during the extinction of escape responses: the effect of the stringency of the extinction criterion; Control of thumb-sucking in a 13-year old boy through reward and reward withdrawal: a case study; pilot work on the alpha sensor.

Dr. W. F. Grossnickle--Studies in attitude measurement; leadership prediction; test validation; perception; fair employment testing and validation of new tests.

Wilbur A. Castellow--Relationships between the spiral aftereffect and extraversion, neuroticism, sex, and induced arousal. (In progress.)

Dr. Larry W. Means & C. Acuff. The role of the hippocampus in mediating memory in infrahuman species.

Dr. Larry W. Means, T. W. Bates, & R. S. Cahoon, Jr. Differences in the odor trail left by reinforced and nonreinforced rats.

Dr. Larry W. Means, J. Smith & W. Maguerian. The effects of ITI distraction on pattern discrimination in rats with hippocampal lesions.

Dr. Larry W. Means, G. Sanders & R. M. Etheridge. The role of the dorso-medial thalamus in memory.

Dr. Rosina C. Lao--Research on internal-external control with students.

Dr. Betty Jane Corwin--validation study of two new tests for preschool children. Has been submitted to journal but no notice of action.

3. Other

Mrs. Hazel F. Stapleton--Made speeches to: Roanoke Rapids Elementary School teachers, spring 1971; Rocky Mount Middle-school teachers, spring 1971.

Dr. Charles C. Mitchell--Lectured at Greenville Alcoholic Rehabilitation Center, in Raleigh and Goldsboro for the North Carolina Department of Health.

Dr. Charles H. Moore--Paper presented at Southeastern Psychological Association meeting in Miami, Florida, April, 1971: Induced anxiety as a therapy technique.

Dr. R. S. Tacker--Conducted workshops and taught courses for Continuing Education on the topic of behavior modification in the schools. These were for teachers in the Greenville City Schools, Pamlico County Schools, Greene County Schools, and Richard T. Fountain Training School in Rocky Mount. Evaluation Consultant to Bertie County Schools on ESEA Title III Project entitled "An Elementary Industrial Arts Project."

paper read →

Dr. W. F. Grossnickle--Attended American Psychological Association National Convention; National Council meeting of Psi Chi; chaired Psi Chi program at Southeastern Psychological Association Convention; speech for South Central Training Conference for N. C. Division of Vocational Rehabilitation; speech for managers at Blue Bell, Inc., East Carolina University Development seminar; speech for local chapter of Psi Sigma Pi. Consultant to Psychological Consultants, Inc.

prop lead → Dr. Dennis Roberts--Attended conference on testing problems sponsored by Educational Testing Service in New York, October 1970. Presented paper (with S. B. Khan) "Vocabulary learning and retention using two instructional methods and three criterion achievement measures" at American Educational Research Association meeting in New York, February 1971. Guest lecture at the College of Education of the University of Toronto during summer 1971.

Dr. Thomas E. Long--Attending meeting of Southeastern Group Psychotherapy Society; North Carolina Group Behavior Society; and N. C. Association of Mental Health Clinics.

prop lead → Dr. Larry W. Means--Presented paper at Psychonomics Society meeting, San Antonio, Texas, October 1970. Participating in Neurobiology Group.

Dr. Rosina C. Lao--Attended annual convention of American Psychological Association.

Mrs. Julia S. Harris--Attended meeting of Southeastern Psychological Association in Miami, Florida, April 1971.

Dr. Betty Jane Corwin--Attended meetings of N. C. Council on School Psychology and North Carolina Psychological Association. Speech: Eastern North Carolina Council of International Reading Association.

Dr. Harry A. Williams--Attended a Esalen Workshop at Big Sur, California.

Dr. Clinton R. Prewett--Participated in several Management Development Seminars in Chapel Hill, North Carolina. Worked closely with the North Carolina Governor's Coordinating Council on Aging to develop the Pitt-Greenville Council on Aging and its program. Was a participant in the East Carolina University Executive Development Seminar. Lectured at the Greenville Alcoholic Rehabilitation Center. Speech to the Citizens Advisory Committee of our Children's Planning Project of the Wilson County Mental Health Association. Participated in a workshop for teachers at Chocowinity--theme: How Children Learn.

E. Faculty members awarded degrees since last report--None.

F. Faculty members with highest degree outside teaching field--None.

G. Faculty members not on tenure:

Dr. Betty Jane Corwin, Dr. Boice N. Daugherty, Mr. Theodore W. Whitley, Mr. Jay Steinberg, Dr. Dennis M. Roberts, Dr. Larry W. Means, Dr. Rosina Lao, Mrs. Julia S. Harris.

- H. Faculty members with one-year appointments: Jay Steinberg
- I. Faculty members within two years of retirement: None
- J. Faculty members with released time: Dr. Larry Means
- K. Additional Comments: None

II. Students

A. Departmental Majors:

1. Fall quarter, 1970--159; fulltime graduate students--41.
2. Number of majors in School or Departmental honors program--none.
3. Total number of majors on probation during period covered--200.
4. Total number of majors on probation in Spring Quarter--49.

B. Student Honors:

Kenneth R. Wright graduated Summa cum laude with a grade point average of 3.940. He was also voted the outstanding male senior.

Three of the five Magna cum laude's at graduation were Psychology majors: Mary Carolyn Faulkner, Lynn Monica Harris, and Joseph Lloyd Weeks.

Dennis Chestnut was awarded a NIMH fellowship to the University of Utah for doctoral study.

Douglas Baker received the Psi Chi Achievement Award.

Joseph LeConte received the undergraduate Psi Chi Scholarship Award.

John Childers was awarded the Psi Chi Research Award.

Rex Meade was awarded the Psi Chi Scholarship Award for graduate students.

III. Curricula

A. New degree programs added: None

B. New major or minor requirements: None

C. Courses added or deleted since last report: Added the following:

Psychology 312G: Human Brain Function and Dysfunction (3).

Psychology 313G: Laboratory Methods in Physiological Psychology (3).

Psychology 307G: Psychology of Language (3).

Psychology 403: Seminar in School Psychology (3).

Psychology 417: Individual Testing of Exceptional Children (3).

Psychology 418: Psychological Study of Behavioral Problems of Children (3).

Psychology 422: Group Dynamics (3).

Psychology 477: Seminar in Group Psychotherapy (3).

Psychology 489: Advanced Experimental Psychology (3).

D. Courses not taught for past two years but still listed in catalog:

Psychology 326G: Group Testing (3).

Psychology 370G: Mental Hygiene in School (3).

Psychology 360G: Instrumentation for Behavioral Research (3).

E. Special lectures or academic programs sponsored by Department:

Monthly program were presented by Psi Chi. Professors from other schools and departments on campus were brought in as speakers; also, a number of the Psychology Department's faculty presented lectures at these meetings.

IV. Instruction

A. Comment on Departmental teaching load for academic year.

In the fall quarter 1970 69 classes were taught with an average of 40 students per class. This includes all graduate classes as well as undergraduate classes. In the winter quarter 65 classes were taught with an average enrollment of 31 students per class. In the spring quarter 69 classes were taught with an average class size of 42.

B. Average Departmental teaching load for academic year.

Faculty members averaged teaching between nine and ten hours per quarter.

C. Comment on what is being done to attain or maintain a strong, consistent faculty demand for higher quality student performance.

In Psychology 380G--Psychology of the Exceptional Child, the large classes are divided into sub-groups; individual assignments are given the students and the classes are taken on field trips for demonstration of need for concern in this area.

One of the professors in teaching Psychology 305--Educational Psychology, attempted for the first time to use behavior modification techniques at the college level; i.e., behavioral objectives were established for each chapter of the textbook. The test items were directly related to the behavioral objectives handed out to each student.

In Psychology 310--Physiological Psychology, a student research group has been initiated. All members are involved in building research apparatus, doing surgery, testing subjects, doing histology, or analyzing data. The members meet once a week to critically discuss recent research related to the work being done in the Psychology Department laboratory.

D. Comment on methods used to safeguard security of test materials.

The mimeograph room is still used as a locked vault-type room with each professor having an individual storage space for tests and other materials. This room is kept locked whenever the office is not occupied. The door has a special steel bolt lock with only two keys available which the Departmental secretaries have in their possession at all times.

E. Comment on any innovations in teaching methods since last report.

A program text was used in one section of Psychology 100--Advanced General with outstanding results--62% increase in A's and B's in the class.

One professor uses a student evaluation at the end of each course he teaches so that changes in teaching methods might be made if indicated to be necessary.

- F. Comment on methods used to assure that at least one essay examination or the nearest equivalent is given in each course.

Staff members are reminded of the ruling of at least one essay examination.

- G. Comment on orientation of new faculty and teaching fellows.

New faculty members are placed in committee positions so that they can learn quickly the operations of the Department. Teaching Fellows are counseled intensively at the beginning of each quarter in regard to their duties and responsibilities. Dr. Mitchell heads this work and monthly meetings are held with the Teaching Fellows.

- H. Comment on measures currently used to assure effective and helpful student advising.

Counseling of our graduate students is excellent. Upper division undergraduate students are handled well also as the staff members have very strong feelings for these students.

V. School or Departmental Development

- A. List areas of specialty within the fields 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 members, or (2) where the qualified faculty member within that field is within two years of retirement.

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

Psi Chi is the only honorary fraternity pertaining to psychology and the Department continues to have an excellent chapter.

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

Already affiliated.

- D. List any honors or awards given to the Department since last report: None

- E. List all grants and subsidies to the Department or to faculty members, including the following information for each grant or subsidy: None

- F. List proposals made during reporting period and note current disposition (pending, rejected, in revision, etc.).

1. Source of funds--ECU Graduate Research Council
2. By whom prepared--Dr. Larry W. Means Funded
3. Total amount of grant--\$860
4. Total amount of indirect funds allowed by grantor--None.

1. Source of funds--N. C. Department of Mental Health
2. By whom prepared--Dr. Larry W. Means Funded
3. Total amount of grant--\$2826
4. Total amount of indirect funds allowed by grantor--None.

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| 1. <u>Source of Funds</u> --ECU Graduate Research Council | |
| 2. <u>By whom prepared</u> --Dr. Larry W. Means | Pending |
| 3. <u>Total amount of grant</u> --\$2659 | |
| 4. <u>Total amount of indirect funds allowed by grantor</u> --None | |
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| 1. <u>Source of funds</u> --National Institute of Mental Health | |
| 2. <u>By whom prepared</u> --Dr. Larry W. Means | |
| 3. <u>Total amount of grant</u> --\$67,878 | |
| 4. <u>Total amount of indirect funds allowed by grantor</u> --None | |
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| 1. <u>Source of Funds</u> --N. C. Department of Mental Health | |
| 2. <u>By whom prepared</u> --Dr. C. R. Prewett | Rejected |
| 3. <u>Total amount of grant</u> --\$2957 | |
| 4. <u>Total amount of indirect funds allowed by grantor</u> --None | |
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| 1. <u>Source of funds</u> --ECU Graduate Research Council | Rejected |
| 2. <u>By whom prepared</u> --Dr. C. R. Prewett | |
| 3. <u>Total amount of grant</u> --\$120 | |
| 4. <u>Total amount of indirect funds allowed by grantor</u> --None | Rejected |
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| 1. <u>Source of Funds</u> --ECU Graduate Research Council | |
| 2. <u>By whom prepared</u> --Dr. C. R. Prewett | |
| 3. <u>Total amount of grant</u> --\$227.60 | |
| 4. <u>Total amount of indirect funds allowed by grantor</u> --None | |
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| 1. <u>Source of funds</u> --National Science Foundation | |
| 2. <u>By whom prepared</u> --Dr. Dennis Roberts | Pending |
| 3. <u>Total amount of grant</u> --\$59,449 | |
| 4. <u>Total amount of indirect funds allowed by grantor</u> --None | |
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| 1. <u>Source of Funds</u> --National Science Foundation | |
| 2. <u>By whom prepared</u> --Dr. C. C. Mitchell and J. F. Mallardi | |
| 3. <u>Total amount of grant</u> --\$13,290 | Rejected |
| 4. <u>Total amount of indirect funds allowed by grantor</u> --None | |

VI. Addenda

Attach any pertinent material including faculty reprints, etc.

The Testing Bureau has been established as a center for three additional tests:

1. Law School Admission Test
2. Medical College Admission Test
3. Dental Admission Board