1982-83 Annual Report of the College of Health

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1982-83

ANNUAL REPORT

of the

COLLEGE OF HEALTH
Significant Events and Accomplishments of the Year

The 1982-83 academic year was one of evaluation and controlled growth for the College of Health. Under legislative mandate, a national team reviewed all health programs in the State University System. The resulting evaluation was generally favorable to our College of Health, providing guidelines for areas of needed change (see Appendix A). In addition, the Medical Technology Program and the Radiologic Science Program were awarded five-year accreditation from the American Medical Association.

In July, 1983, the Board of Regents approved a Master of Science in Health Sciences (MSHS) program to be implemented Fall, 1983. A Radiation Therapy option in the Radiologic Science Program was approved with implementation scheduled for Fall, 1983. With the opening of the Brevard Campus Lifelong Learning Center, additional growth took place in Nursing with full implementation of a program for R.N.s in Brevard County also scheduled for Fall, 1983.

The College of Health increased in the number of majors and student credit hours produced. Table I shows by department or program the major and minor headcounts, student credit hour production, and graduates for 1982. Table II shows by department or program the major and minor head count, student credit hour production, potential graduates for 1983 and percentage passing the registry or certifying exam of that discipline.

It is evident in Table II that the College of Health has increased eighteen percent in student credit hour production with no increase in faculty. There was only a two percent headcount increase which might imply that the growth is due to creative instruction by the faculty in general, or
to service courses. This increase in faculty contact hours may affect faculty research and service activities required by the University.

The faculty developed criteria for promotion and tenure for the faculty of the College of Health. These criteria are under consideration by the faculty senate and the administration. These criteria represent the special commitments made by the faculty to community service and professional development (see Appendix B).

Faculty development in the area of research was encouraged by offering a series of research seminars especially for the College of Health faculty. Dr. Linda Malone and Dr. Leroy Franklin conducted these offerings which were well received by the faculty.

A national honor society for the Allied Health Professional, the Alpha Eta Society, inducted its charter members in April of 1983. The purpose of the society is the promotion of scholarship and friendship, and the recognition of high attainment in the allied health professions. Nursing also inducted its first Honor Society members in preparation for applying for charter in Sigma Theta Tau, National Honor Society of Nursing.
### TABLE I - Fall, 1982

<table>
<thead>
<tr>
<th>Comm.</th>
<th>BA</th>
<th>Dis.</th>
<th>MA</th>
<th>Health</th>
<th>Science</th>
<th>Medical</th>
<th>Records</th>
<th>Medical</th>
<th>Tech.</th>
<th>Nursing</th>
<th>44</th>
<th>62</th>
<th>4,624&lt;sup&gt;d&lt;/sup&gt;</th>
</tr>
</thead>
<tbody>
<tr>
<td>Headcount</td>
<td>49</td>
<td>33</td>
<td>30</td>
<td>41</td>
<td>84</td>
<td>326</td>
<td>44</td>
<td>62</td>
<td>671</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Student Credit Hours</td>
<td>523</td>
<td>212</td>
<td>2&lt;sup&gt;a&lt;/sup&gt;</td>
<td>301</td>
<td>3</td>
<td>2,083</td>
<td>490</td>
<td>279</td>
<td>34</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Number of Faculty (FTE)</td>
<td>5</td>
<td>3&lt;sup&gt;c&lt;/sup&gt;</td>
<td>2&lt;sup&gt;a&lt;/sup&gt;</td>
<td>13&lt;sup&gt;b&lt;/sup&gt;</td>
<td>3</td>
<td>6</td>
<td>34</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Projected Graduates (1982-83)</td>
<td>22</td>
<td>30</td>
<td>11</td>
<td>14</td>
<td>40</td>
<td>15</td>
<td>23</td>
<td>158</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<sup>a</sup> Excludes Dean's line

<sup>b</sup> Includes grant lines

<sup>c</sup> Health Science minors

<sup>d</sup>A second class of twenty-one nursing students was admitted in January, 1983. In addition, the Medical Self Assessment (HSC 3081) was offered at students' convenience beginning in January, 1983. The increased student credit hours are estimated at 456.
<table>
<thead>
<tr>
<th></th>
<th>Comm. BA</th>
<th>Dis. MA</th>
<th>Health Minor</th>
<th>Pre. MSHs</th>
<th>Medical Records</th>
<th>Tech. Medical Nursing</th>
<th>Public Health</th>
<th>Rad. Science</th>
<th>Resp. Therapy</th>
<th>TOTAL</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Headcount</strong></td>
<td>43</td>
<td>34</td>
<td>15</td>
<td>34</td>
<td>3</td>
<td>37</td>
<td>83</td>
<td>308</td>
<td>20</td>
<td>56</td>
</tr>
<tr>
<td><strong>Student Credit Hours</strong></td>
<td>430</td>
<td>230</td>
<td>112</td>
<td></td>
<td>334</td>
<td>276</td>
<td>2,193</td>
<td>183</td>
<td>915</td>
<td>792</td>
</tr>
<tr>
<td><strong>Number of Faculty (FTE)</strong></td>
<td>5</td>
<td>2</td>
<td>2</td>
<td>3</td>
<td>13b</td>
<td>0</td>
<td>3</td>
<td>6</td>
<td>34a</td>
<td></td>
</tr>
<tr>
<td><strong>Projected Graduates</strong> (1982-83)</td>
<td>18</td>
<td>16</td>
<td>3c</td>
<td></td>
<td>5</td>
<td>12</td>
<td>60</td>
<td>0</td>
<td>14</td>
<td>12</td>
</tr>
<tr>
<td><strong>Percent passing registry or certifying exams</strong></td>
<td>N/A</td>
<td>N/A</td>
<td>N/A</td>
<td>93%</td>
<td>100%</td>
<td>98%</td>
<td>0</td>
<td>100%</td>
<td>?</td>
<td></td>
</tr>
</tbody>
</table>

aExcludes Dean's line and two vacant Brevard lines
bIncludes Brevard lines
cHealth Science minors
Program Achievements

Specific achievements of each program and department during 1982-83 are summarized.

Communicative disorders

The 1982-83 academic year was a year of consolidation after a year of growth and change. With the new designation of Department, major standing committees were established in Admissions, Curriculum, Promotion and Tenure, and Clinic.

The first operating year of the fee-for-service clinic was successful. The money generated by clinic services covered the clinic's expenses and also paid for some relocation "remodeling" work. Approximately $9,000 was generated during the ten-month operation of the clinic.

Under sponsorship by the local Sertoma Foundation, the department became an affiliate of the National Sertoma Foundation. This foundation is a national/international service organization specifically interested in speech/language handicapped people.

Research and Publications

Publications  None

Research

The faculty has been involved with the following research:

Dr. Hedrick has been involved in research on the use of teacher questionnaires in the assessing of children's pragmatics. This is unsponsored research (with T. McDowell, Seminole County and J. Medland).

Dr. Hedrick and Dr. Bollinger completed a research project on auditory selective listening, "Response to Auditory Selective Listening," which is being prepared for publication.

Dr. Ingram received an in-house research award for $4,000.00, "An Analysis of Various Speech Spectra of Mentally Retarded Adults Before and
After Treatment." He prepared a research application which was sent to the State Department of Education, "An Operational Description of Specific Competencies in Speech Conversation." (Unfunded) Dr. Ingram submitted "SMRC--A Communication Model for Therapy," March, 1983.

Dr. Mullin submitted a grant entitled "Assessment of Hearing Aid Delivery System: A Longitudinal Study." (Declined) He has two research studies in progress, "Assessment of the Hearing Aid Delivery System," and a study in progress on "Intelligibility of Speech in Patients with CVA's." Dr. Mullin also assisted the Department of Nursing in preparing two grant proposals, both submitted to federal agencies, "Mandatory Continuing Education for Nursing," and "Cancer Chemotherapy Techniques." He also assisted Medical Technology faculty in submitting a grant proposal, "Effects of Chewing Tobacco on Glucose Levels in Normal and Diabetic Patients," and a "Town and Gown" tape presentation.

Dr. Utt received two grants: Acoustic Sonar Simulator--Naval Training Center/College of Engineering, January, 1983, $1,000.00, and Acoustic Signature Dictionary, (May, 1983, $3,400.00, In-House grant). He also submitted an article with Dr. Haas, "The Effects of Amplification on the Sociability of Older Adults." Review was favorable for publication by Ear & Hearing, Fall, 1982.

Continuing Education Presentations

Faculty members presented the following professional papers:

Dr. Hedrick presented "Evaluation of Auditory Processing" as a part of a panel presentation at the Florida Language Speech and Hearing Association, Fall meeting, Ft. Lauderdale, FL, October, 1982. She conducted a workshop in the Seminole County Schools, "Evaluation of Language: Pragmatics," April, 1983.
Dr. Utt presented "The Usefulness of Rupp's Feasibility Scale for Predicting Hearing Aid Use with Older Adults," May, 1983, in Orlando at annual FLASHA convention.

Dr. Utt, Co-Developer and Presenter at College of Health Research Seminars, conducted workshops at UCF and Rosenwald.

Dr. Ingram presented a paper at the Annual Convention of S.E. Conference of Health Education Media Association, September, 1982, Daytona Beach, FL. "An innovative use of Media in Administration of a Communicative Disorders program."

Faculty members also attended twelve professional meetings and workshops.

Community Service

Dr. Hedrick

Member, Advisory Board of the Infant Hearing Program, State of Florida.
Member, Advisory Board of the Communication Systems Evaluation Center, Orange County Schools.
Member, State Steering Committee for Speech and Hearing Services in the Schools, a Committee of the Department of Education.
Sertoma Club of Downtown Orlando, luncheon speaker.

Served as a liaison with Sertoma Foundation and local clubs to initiate an affiliation between the Sertoma Foundation and the Communicative Disorders Clinic.

Met with Ms. Beth Collins, Director of Speech and Hearing Services, Orange County Schools, and Dr. Jeffery Schneiderman, Director of Speech and Hearing Services, Seminole County Schools. Purpose of the meetings was to get feedback from the two supervisors about our students' training so that we can continue our process for "upgrading" our training program.

Established traineeships with Orange County schools for graduate students.

Dr. Mullin


Assisted in the reformation of the DeLand Speech and Hearing Center with Dr. Pate, M.D. (ENT) with Ms. Jacobsen and Ms. Bezdek (LSU graduates) (no fee).
Consulted and helped reestablish Audiology Clinic at Easter Seal Center in Melbourne (Julie Johnson, M.A.).

Faculty also served on a number of university, college, and departmental committees.

**Medical Records Administration Program**

The Medical Records Administration Program was very busy with student recruitment and evaluation for accreditation. In conjunction with the accreditation process, all course outlines and objectives were reviewed and updated. Some minor changes were required as a result of the accreditation survey, including adding a Directed Practice course to provide adequate exposure to a medical records department.

The students now participate in four directed practices and the Management Affiliation and return to campus for presentations and a general wrap-up.

There were 16 out of 17 students who passed the Registration Examination in the first writing, October, 1982. Ten of the 17 students achieved a score of 200 or higher with one student achieving a score of 224, placing in the 95th percentile.

**Research and Publications**

The Program Director published an article entitled "The Effectiveness of a Delegate-Advocate Program" in the *Journal of the American Medical Record Association*.

She is also completing a statistical analysis of National Registration scores in an effort to compare findings with those published in 1982.

**Continuing Education**

The MRA faculty maintained a current level of knowledge through attendance at seven professional meetings and workshops at the national, regional, and state level.
Accreditation Survey

The Program completed an extensive self-study document in preparation for the accreditation site survey. The initial results of the survey was a recommendation for accreditation with qualifications. The qualification statements centered mainly around course credit hour/sequencing discrepancies. These were addressed in a report to AMRA prior to review by the AMRA Council on Education and the AMA Committee on Allied Health Education and Accreditation. Final results will be received during the Fall of the 1983-84 year.

Medical Technology Program

The single most significant event of the year for the Medical Technology Program was that the Committee on Allied Health Education and Accreditation voted in November, 1982 to award initial accreditation for our program for a period of five (5) years. The program was advised to continue developing objectives and standardizing the evaluation of students at clinical affiliates. A progress report documenting unquestioned compliance with ESSENTIALS 22 and 24 was due November 1, 1983.

Graduates of the program continue to perform well on national certification and state licensure examinations with 100% passing.

Summary of the examination results are:

August, 1982 exam

<table>
<thead>
<tr>
<th>Program mean P-scores</th>
<th>National mean P-scores</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.794</td>
<td>0.754</td>
</tr>
</tbody>
</table>

February, 1983 exam

<table>
<thead>
<tr>
<th>Program mean P-scores</th>
<th>National mean P-scores</th>
</tr>
</thead>
<tbody>
<tr>
<td>0.935</td>
<td>0.726</td>
</tr>
</tbody>
</table>

Research and Creative Activities

Sponsored Research None
Proposal Preparation

Prepared research proposal for an In-House Research Grant. (Not funded.)

Unsponsored Research

We initiated meetings with Laboratory Personnel Licensure Section, Department of Health and Rehabilitative Services to explore ideas regarding a research project.

A project was developed with Dr. Mendenhall and Barbara Heinsohn to be entitled "Determination of Attitudes of Pathologists and Hospital Administrators Toward Job Satisfaction of Medical Technologists." The feasibility of this study at the federal level is being evaluated.

We are also working on a project with one of the Nursing faculty.

Publication of Professional Books or Papers
None completed.

Publication of Professional Books or Papers

Papers in Progress:

Authors: Heinsohn, Barbara F. and Morrison, Barbara Y.
Title: "Survey of Research Activities Among Allied Health Professionals"
Submitted: Will be submitted to a national refereed journal.

Authors: Heinsohn, Barbara F. and Graham, Eleanore
Title: "Hematology Problem - Sideroblastic Anemia or Leukemia?"
Submitted: Will be submitted to a national refereed journal.

Authors: Heinsohn, Barbara F. and Johns, Patricia A.
Title: "Comparison of Performance of Medical Laboratory Personnel from Approved Schools Versus On-the-Job Trained on the Florida Licensure Examinations."
Submitted: Will be submitted to a national refereed journal.

Presentation of Professional Papers

Presented "Effect of Job Satisfaction/Dissatisfaction" as panel member for "Contemporary Issues in Medical Laboratory Science Education Forum"
at the Fall Meeting of the Florida Division, American Society for Medical Technology, Gainesville, Florida.

Workshops and Seminars Conducted

"Identification of Intestinal Protozoa in Permanent Stains"
B. Heinsohn, Assistant Instructor in eight-hour workshop held in conjunction with FD-ASMT Fall Seminar.

"Writing Evaluation Items" Six-hour workshop for clinical faculty, B. Heinsohn.

Public Service

Speaker, Health Careers Day sponsored by Orange/Seminole Medical Auxiliary.

Judge, Brevard Islands Regional Science and Engineering Fair.

Elected Member, Florida Division, American Society for Medical Technology Nominations Committee.

Member, Student Selection, Blood Bank Specialist Program, Central Florida Blood Bank.

Public Relations Activities

Prepared and supervised Health Science Fair Exhibit.

Attended 15 Workshops, Seminars, etc., as a Learner

Health Science Program

Significant Events of the Year

The Health Science Program has had several accomplishments throughout the year. A committee represented by each Department/Program was formed to develop a common course for all College of Health majors in pathophysiology. The course, Pathophysiologic Mechanisms, will be offered for the first time during the Fall Semester, 1983. It will be videotaped in order to provide for a wider distribution of the materials.

The Master of Science in Health Sciences (MSHS) degree program was approved by the Board of Regents at the meeting in July, 1983. The
implementation of the degree program will begin with the Fall Semester, 1983.

In addition to new courses and programs, the Health Science faculty have also been involved in workshops and publications. Dr. Tom Mendenhall attended a College of Health Deans' Retreat and an American Society for Allied Health Professions leadership workshop in Florida and prepared two book reviews to be published in later issues of the Journal of Allied Health.

Dr. John F. Bergner, Jr., has been involved in several public relations activities and also began work on a Dr.PH program at the University of North Carolina-Chapel Hill.

Respiratory Therapy Program

Significant Events and Accomplishments of the Year

Quality Improvement Program Funding has enabled the Respiratory Therapy Program to hire a Ph.D. Pulmonary Physiologist. The addition of this individual has added a much-needed research component to the Program.

This year we received our first donation of a significant piece of teaching equipment. The equipment donated was an Echocardiography machine, which can be used for research and by the students in the Program to study one-dimensional echocardiograms. Quality Improvement funds also allowed the program to acquire research equipment and more current respiratory therapy equipment.

Communication with area physicians continues, with increasing involvement by specialists in the clinical phase of the program. The new preceptorship program will begin in the Fall semester. Ms. S. Douglass has assumed the duties of the Director of Clinical Education until the position can be filled.
Improved Recognition of the Program

Ms. S. Douglass continues to be involved in national and state organizations which helps promote the program among other Respiratory Therapy schools and organizations. This year she serves as the President of the Florida Society for Respiratory Therapy. Mr. Lytle has spoken at several seminars and workshops, thus increasing the visibility of the Program in the community.

Research and Publications

In-House Projects

The Division of Sponsored Research awarded grants for two proposals from this Program. These proposals were as follows:

Dr. Louis Acierno, M.D., F.A.C.C. (with Drs. Michael Sweeney, Meredith Scott and Jose Sepulveda) was granted $8,000 to study a pilot project, "Immune Mechanisms in Mitral Valve Prolapse."

Daniel J. Crittenden, Ph.D. was granted $5,000 for a project entitled "Electron Microscope Study of Alveolar Type II Cells with Sympathetic Stimulation of the Lung."

Nonsponsored Research

The faculty has been involved in working on the following nonsponsored research projects received attention during the past year:

Dr. Louis J. Acierno, M.D., F.A.C.C. together with Dr. Mike Sweeney and Mr. Stephen Lytle has worked on the development of a project entitled "Hypersensitivity Pneumonitis Due to Forced Air Heating and Air Conditioning Systems." A proposal is being prepared for submission to the American Lung Association.

Dr. Daniel J. Crittenden, Ph.D. worked on a project this year entitled "Effects of Alpha Adrenergic Agonists and Short Duration Sympathetic Stimulation on Pulmonary Surfactant."

Ms. Sharon E. Douglass, M.S., R.R.T.(C) created five computer-based clinical simulation programs on the Apple II+ computer. She is currently working to secure copyrights on these for possible publication. During the year she also finished work on a project with Dale Johnson, M.Ed., R.R.T., and Denis Newman entitled, "The Transcutaneous Oxygen Tensions of Normal Newborn Infants in Response to Auditory stimuli."
Mr. Dale S. Johnson, M.Ed., R.R.T. worked on the project with Denis Newman and Sharon Douglass concerning the transcutaneous PO$_2$ of infants in relation to noise levels. (See above).

Mr. J. Stephen Lytle, M.S., R.R.T. worked on the following projects during the year:

"Development of a Productivity Model for Allied Health Programs Using the Microcomputer."

"An Alternative Method of Pulmonary Compliance Measurement." (A proposal will be submitted to the Florida Lung Association by October, 1983 concerning this project.)

Collaboration with Drs. Acierno and Sweeney on the Hypersensitivity project. (See above.)

Mr. Tim Worrell, B.S., R.R.T. has worked on the following projects during the 1982-83 year:

Collaborated with Dr. Acierno on a proposal to the American Heart Association entitled "QT Interval and Ventricular Arrhythmias in a Student Population."

Assisted in the design of a new teaching tool for demonstrating the function of a Swan-Ganz catheter.

Publications

The following manuscripts were submitted during the past year:

Authors: Crittenden, D. J. and D. L. Beckman
Title: Stellate ganglion stimulation with alpha and beta adrenergic blockage: Effect on lung lipids and compliance in cats.
Publisher: Life Sciences (in press)
Location: Tucson, Arizona

Authors: Crittenden, D. J. and D. L. Beckman
Title: Beta adrenergic receptors and glucagon in seizures from exposure to oxygen high pressure (OHP).
Publisher: Life Sciences (in press)
Location: Tucson, Arizona

Authors: Crittenden, D. J. and D. L. Beckman
Title: Pulmonary surfactant changes from alpha adrenergic agonists and ten and thirty second stellate ganglion stimulation.
Location: New York, New York
Authors: Crittenden, D. J. and D. L. Beckman  
Title: Traumatic head injury and pulmonary damage.  
Publisher: J. Trauma 22: 766-769  
Location: Burlington, Vermont  

Authors: Beckman, D. L., D. J. Crittenden, D. H. Overton and S. J. Blumenthal  
Title: Influence of blood glucose on convulsive seizures from hyperbaric oxygen.  
Publisher: Life Sciences 31: 45-49  
Location: Tucson, Arizona  

Authors: Worrell, L. T. and L. J. Acierno  
Title: Asbestos exposure and its relation to asbestosis and carcinoma of the lung.  
Publisher: Respiratory Therapy (in press)  
Location: Los Angeles, California  

Authors: Acierno, L. J. and L. T. Worrell  
Title: Cardiac nuclear imaging.  
Publisher: Radiologic Technology (in press)  
Location: Thorofare, New Jersey  

Authors: Acierno, L. J. and L. T. Worrell  
Title: Radionuclide imaging in coronary artery disease  
Publisher: Radiologic Technology (in press)  
Location: Thorofare, New Jersey  

Authors: Johnson, Dale S.  
Title: Do transcutaneous oxygen monitors decrease the need for arterial blood gases in neonates?  
Publisher: Respiratory Therapy (rejected)  
Location: Los Angeles, California  

Authors: Johnson, Dale S.  
Title: Liability in the respiratory therapy profession.  
Publisher: Respiratory Care (rejected)  
Location: Dallas, Texas

Continuing Education  
Each respiratory therapy faculty member attended five or six conferences and seminar series:
Dr. Acierno (6); Mr. Worrell (6); Dr. Crittenden (5); Mr. Lytle (5).

Community Service

Dr. Acierno lectured on various health topics to a number of civic and religious groups.

Mr. Worrell performed Pulmonary Function Screening Tests for the public at the College of Health, "Health Fair."

Dr. Crittenden participated in the College of Health, "Health Fair."

Mr. Lytle attended the College Night function held on the Seminole Community College campus. In addition he spoke to the Honor Society at Oak Ridge High School on "Health and Medical Careers." He also spoke to the Hospice Group of Central Florida on "Upper Airway Management."

Ms. Douglass attended and represented the Program at the American Lung Association's annual business meeting.

Grant and Contract Activity

Research Proposals

Several proposals were prepared and submitted to various granting agencies outside of the University.

Stephen Lytle, M.S., R.R.T., with Jo Edwards, Ed.D., R.T.(R) submitted a proposal to the Mina Shaughnessy Scholars Program in November, 1982. The title of this proposal was "Expanding Educational Opportunities in Allied Health. The proposed budget was $36,089. (Not funded.)

The faculty from the Program, including Stephen Lytle, M.S., R.R.T., Daniel J. Crittenden, Ph.D. and Tim Worrell, B.S., R.R.T., assisted Jo Edwards, Ed.D., R.T.(R) in the preparation of a proposal to HSRA concerning the development of a health promotion project within existing allied health programs. The title of this proposal was "Allied Health--Health Promotion and Disease Prevention," and was budgeted at $169,643. This project is still pending.

Stephen Lytle, M.S., R.R.T., also collaborated with Jo Edwards, Ed.D., R.T.(R) on a proposal to the U.S. Department of Education entitled "Expanding Opportunities in Health Care Education" which was budgeted at $136,228. (Not funded.)

Louis J. Acierno, M.D., F.A.C.C., with Tim Worrell, B.S., R.R.T., submitted a proposal to the American Heart Association for funding. The proposal, entitled "QT Interval and Ventricular Arrhythmias in a Student Population," was budgeted at $16,994. (Not funded.)

New Programs/Professional Emphasis

We have signed a new contract with Winter Park Hospital to begin placing students at this clinical affiliate. Their involvement with the
Program will start this Fall on a limited basis, expanding to full involvement by Fall, 1984. The Program will continue to expand the clinical facilities available for student usage.

The Program is also planning to expand its enrollment through the use of non-traditional methods, such as television, individualized instruction, computer-assisted instruction, etc. Each faculty member will also strive to improve productivity. The Program will seek dual accreditation in the cardiopulmonary areas.

Research Emphasis

Our research involvement just started this year and will continue. Faculty will be encouraged to write grants, papers and manuscripts.

Continuing Education

The Program plans to co-sponsor a seminar to be offered in November for area respiratory therapists, physicians and nurses. The faculty will continue to attend conferences and seminar as funding permits.

Community Service

We will continue to work with area high schools, community colleges and state and local agencies who might request our services. In addition, the Program would like to become associated with the Research Park. Faculty will continue to be involved with non-profit organizations such as the American Heart Association, the American Lung Association and the Florida Heart Institute.

Fund Raising

The Program will continue to solicit equipment and funding from local health care providers to enhance the day-to-day functions of the Program and to assist in research programs.
Areas Needing Improvement

Space once again tops the list. The split in the Program faculty continues to be a problem. In addition, more facilities are needed to expand the current research activities.

Radiologic Sciences Program

Significant Events and Accomplishments

Significant events in instruction were varied:

The program received a full five-year accreditation from the American Medical Association.

New courses in cross-sectional anatomy as well as quality assurance were added to community offerings.

Consumer health education course, Medical Self Assessment, was videotaped and added as a course to be taught at student's convenience.

New clinical sites were added to the list of active clinical education centers: Waterman Memorial Hospital and Jewett Orthopaedic Clinic.

A four-course sequence in medical sonography is being offered. Twenty-two students are enrolled in that program at present.

As a cooperative effort, we helped design a cardiac nuclear imaging program for physicians which will earn the College of Health foundation $7,000.

A new option in radiation therapy was improved and implemented this summer. This program expands our offerings and added only minimally to the cost of our program.

We will maintain a 100% pass rate on the registry exam with an average score of 90.

Published Research Publication and Grants

Sponsored Research

Dr. M. Jo Geren Edwards completed two in-house research projects: "Positive Life Style Adoption as Effected by Consumer Education" and "Health Promotion in the College of Health."

Mr. Thomas Edwards completed an instructional resource grant, "Computerized Simulation in Radiographic Quality Assurance."

Unsponsored Research

Mr. Thomas Edwards completed the data collection and statistical analysis of GPA information for individual research on Predictors of
Success in the Radiologic Sciences Program. This project was initiated in the Spring, 1983 semester.

Publications


Maynard, Philip R., "Individualized Instruction - Education Theory or Practical Method?" Accepted for publication by Radiologic Technology Journal (Journal published by the American Society of Radiologic Technologists - National/Peer Review)


Community Service

Dr. M. Jo Geren Edwards served on the Public Education Committee of the American Cancer Society.

Mr. Thomas Edwards served as Chairman, Quality Assurance Committee, American Society of Radiologic Technologists and Team Chairman for Joint Review Committee on Programs in Radiographic Technology in the on-site evaluations of the following radiography programs:

Midlands Technical College
Montgomery College
Mississippi Delta Junior College

Columbia, South Carolina
Takoma Park, Maryland
Moorehead, Mississippi

Mr. Philip Maynard coordinated the Continuing Education Seminar for Radiology Administrators, Imaging Management Information System Workshop, presented by DuPont Corporation at UCF.

All faculty served as site evaluators for the Joint Review Committee on Education in Radiologic Technology.
Department of Nursing

Significant accomplishments in the Nursing Department include: (1) Plans to offer the first clinical courses in the nursing major for R.N.s on the Brevard Campus, Fall, 1983, through flexible scheduling/curriculum adaptations, (2) Opening the Neonatal Intensive Care Clinician program through Extended Studies, (3) Experimenting with admitting the first class mid-year, January, 1983, and (4) Preliminary plans towards development of a graduate program.

Significant changes in staffing (employment and resignation of the Chairman, employment of a full-time Brevard Nursing coordinator and several new faculty) occurred this year. The termination of grant funding in May required extensive reevaluation of budget planning. Feedback from community employers, licensure examinations, and accreditors continues to be quite good.

Faculty were involved in the following activities:

In-House Funding for Research/Creative Activities:

L. Eldredge: Comparison of (1) Nursing care of terminally ill versus surgical patients, and (2) Medication use in hospitals versus Hospice (Research).

J. Green: (Instructional Resources) - Videotape on Assessment of Newborn.


Research Proposals

Four submitted (not funded at this time): Pain Management; Continuing Ed (Neff-Smith); Nurses Attitudes towards Mandatory Continuing Ed. (Mercer/Chase); Geriatric Wellness (Larrabee).
Non-Sponsored Research

B. Chase: Pain Management with Oncology Patients.

V. Brinson: Nutritional Assessment for West Orlando Residents.

Health Care Attitudes and Utilization Patterns (joint research).


F. Smith: Comparison of Leadership Styles and Effectiveness of 150 Nursing Students and R.N.s.

Predictive Study of Licensing Examination Results of Nursing Students 1981-83.

Needs of Dying Patients and Families (N=75).

Through F.N.A. Statewide Surveys of:
Continuing education needs of psychiatric nurses.
Assessment of educational needs regarding substance abuse within the profession.

Publications


Professional Presentations

J. Dorner: National Conference on Alcohol Abuse.

J. Dorner and F. Smith: Florida Nurses' Association Convention Epic (Statewide Continuing Education Symposium through F.N.A.): Substance Abuse among Nurses, Parts I and II.

Community Service:

Workshops and Seminars Conducted

J. Green: National Association of Health Education (1)
Planning and Implementing Health Education (2)
C.P.R. (1) Hypertension (1)

J. Ziegel: C.P.R. (1)

B. Chase: C.P.R. (7)

J. Dorner: The Alcoholic Client (all-day workshop)
Drug Abuse in the Elderly (1)
D.W.I. Classes, Florida Safety Council

M. Neff: Seminars: Industrial Nursing
Aging
Presentation to Florida Hospital Critical Care Nursing Staff
V. Brinson: Three presentations on legal aspects of nursing.
F. Smith: Presentations to the Staffs of:
Medical Personnel Pool
Winter Park Care Center
Good Samaritan Nursing Home
Florida Hospital Patient Education Staff
State Board Review Course for Florida Hospital
and community
Panel on Dying Pts. with ORMC Administrator,
M.D., and Hospice

Other service to the community and professional organizations:

Offices in Professional Organizations:

L. Eldredge served as President of District 8 Nurses' Association.

F. Smith served on the Board of Directors of the State Nurses' Association (FNA) and was elected to the national nominating committee for the Psychiatric Division of the ANA convention in Washington, D.C.

J. Dorner was active in the FNA Psychiatric Mental Health Division, Chaired by F. Smith.

F. Smith represented FNA at the Florida Legislature in support of legislative changes, which were successful.

Other

F. Smith served on the Board of Directors for Hillcrest House, Inc. (mental health deinstitutionalization project) and Beth Johnson Community Mental Health Center.

Plans/Needs

The nursing program continues to explore ways of meeting increased demands for enrollment during a period of budgetary restrictions. High
contact-hour workload and limitations on growth remain concerns of nursing faculty.

**Long-Range Plans/Needs**

The College of Health hopes to relocate in the present College of Engineering Building. The facilities presently assigned to the College of Health are extremely crowded and spread over the entire UCF Campus. It is hoped that the newer facility will provide for easier communication among the present programs and permit the addition of new programs.

The planned occupancy of the present Engineering Building when the College of Engineering moves into its new facility will resolve the problem of space. However, this cannot occur until 1986 or later. Some way must be found to provide additional space for College of Health use for the interim if any progress is to be made toward further quality improvement, increase of enrollment, or development of new programs.

The availability of adequate and appropriate space is the most critical factor in the growth and development of the College. A short-term space plan must be developed and the long-term plans for a new building must be finalized as early as possible. Without additional space, the College must remain virtually stagnant for the next five years or more.

The inadequate space allocated to the college is a serious impediment to growth in faculty/staff size and to the development of quality instruction and research. Faculty members already are doubled up in offices. There is little space available for faculty research activities with the exception of Communicative Disorders. One room in the Biological Sciences Building was remodeled for the new pulmonary physiologist; however, needed animal holding facilities have not been made available. There is no laboratory preparation room for the wet laboratory in use for the Medical
Technology Program. The College has no conference room space at all. Also, two of its assigned laboratories are in a portable classroom building.

A second problem with very serious consequences is the inadequacy of the "expense" budget allocated to the College. The expense budget for 1982-83 was below the minimum level required for effective operation. Only by converting budgeted OCO funds and saved salary dollars to expense funds was it possible to operate at the minimum level of quality required for 1982-83. The process of borrowing within categories cannot continue indefinitely. The minimum budgetary needs of the College must be recognized and provided, or a decision must be made to reduce the scope of operation of the College.

Ten-Year Plan

During 1981-82 the College of Health and the University developed a ten-year plan. The plan calls for the addition of new graduate programs in public health, health sciences, nursing, physical therapy, and occupational therapy. In addition, a new baccalaureate program is proposed in health administration.

Continuing Education

Continuing education will receive a high priority in the next five years. This will include continuing professional education in the allied health sciences, nursing, and public health. It also will include consumer-oriented programs to enhance the ability of individuals to utilize the health care system intelligently and, even more important, to maintain their own personal health.

Emphasis on Research

A high priority is being given to teaching and community service. However, special emphasis will continue to be focused on research in order that it may begin to be comparable in priority to teaching and service.
**Program Development**

The College of Health is preparing for implementation of the MSHS degree program. A proposal for a Master of Science in Nursing (MSN) is in the planning stage. Present baccalaureate programs may be altered to include minors such as dosimetry and health physics technology.

**Graduate Opportunities**

The College continues to offer opportunities for part-time graduate study in Public Health for persons employed in health agencies. Faculty members from the College of Health and College of Engineering will continue to offer public health courses. These courses are applicable to the M.A. in Education, Science Education, with an emphasis in Health Sciences and the Master of Science in the Health Sciences.

**Ongoing Evaluation**

The College of Health continues to seek better ways to recruit quality students and faculty, increase FTE productivity, and become more cost-efficient while maintaining high standards in our programs.
APPENDIX A
MEMORANDUM

TO: Council of Academic Vice Presidents

FROM: Roy E. McTarnaghan

SUBJECT: Recommended Board of Regents Actions For Allied Health

May 5, 1983

Attached are proposed actions for the Board of Regents at the May meeting. We will welcome any comments you may care to make regarding these recommendations.

REM/nk
Recommended BOR Action

The Allied Health Program Review studied thirty nine programs within eleven disciplinary categories in the nine State universities: clinical dietetics, health related occupations education, health science, hospital and health care administration, medical records, medical technology, occupational therapy, physical therapy, radiologic technology, respiratory therapy, and speech pathology. Of the programs offered, 29 are at the baccalaureate level, 9 are at the master's level, and one program is at the doctoral level. The Program Review site visits were conducted from January 11 through February 2, 1983. The consultants were Dr. Frank Dickey, Dr. Rosemary Harkins and Dr. John Schermerhorn.

A simultaneous review of intersector issues in Allied Health was conducted by the Division of Community Colleges. Joint meetings were held on eight of the nine university campuses.

Information contained in the final report of the BOR Review Team was gleaned from self-study documents submitted by universities and the on-site interviews. Current national data and concerns, such as need for quality patient care and cost containment, were constantly addressed. Recommendations were made for the System and for each university. The recommendations for the individual universities are summarized in the consultants' report; a somewhat more lengthy report was sent to each university.
The team found that, with the exception of the medical technology programs which have not sought accreditation as university programs, the allied health programs were uniformly strong and were meeting the needs of the State for competent, well-prepared practitioners. The following programs were judged to have the demonstrated potential for becoming outstanding nationally:

- Health Sciences Administration and Medical Technology (UF)
- Radiological Sciences and Respiratory Therapy (UCF)
- Communicology and Rehabilitative Counseling (USF)
- Occupational Therapy (FIU)

The 2+2 format for medical technology is the preferred format and three of these programs exist in the State (UCF, FIU & UF). However, the medical technology program at FAU was commended for its adaptation of a 3+1 program. The Health Administration program at FAU showed a growing reputation for strength.

The overall concept of Allied Health Services at UNF was commended and, if fragmentation were remedied, this too could be seen as potentially an outstanding program.

The articulation between universities and community colleges is working smoothly statewide. There are some problems concerned with A.S. transfers, but even in this area several exemplary programs were found (UCF, FIU, UF, USF, UNF)
The BOR recommendations are divided into four action categories.

A. Universities
B. Board of Regents Staff
C. Postsecondary Education Planning Commission
D. Articulation Coordinating Committee of the Department of Education

The specific recommendations for Board of Regents actions are as follows:

(See attached Appendix for rationales for these recommendations.)

A. Universities are directed

1. To review both institutional and System recommendations from the Review team and to report progress made toward implementation of each recommendation by the November 1983 Board meeting.

2. To seek full accreditation under university auspices in all programs in medical technology (UWF, FSU, & USF).

3. To encourage the employment of individuals with current clinical skills in faculty lines; and establish a Systemwide network for sharing faculty with special allied health skills and expertise.

4. To form identifiable allied health units and/or coordinating committees on all campuses where not currently in existence. Deans, directors of programs, or committee officers could become the nucleus of a statewide committee to study increased use of practice plans, cost
containment, insurance, university corporations, shared faculties and new and/or cooperative degrees.

5. To study and take action on improvements for recruitment and enrichment activities at all levels for all students, with particular emphasis on racial and linguistic minorities and mature students. Curricula should be keyed to population shifts and changes in health care delivery -- example: increases in number of elderly citizens.

6. To review and document apparent need for increases in support personnel, research capabilities, graduate assistants, clerical help, computer and data analysis. Reference to national standards of good practice in quality programs should be included in subsequent budget requests.

7. To increase continuing education activities to upgrade the clinical skills of faculty at all levels, including community colleges and practicing professionals. Improved opportunities for appropriate advanced degrees for allied health faculty are needed.

8. To report scores on credentialling examinations to the Board of Regents Academic Programs Office.

B. Board of Regents Staff are directed

9. To develop a statewide, uniform method of identifying students admitted to the upper division but not yet accepted in limited access programs; require reporting of admission to limited access programs,
dismissal from these programs, changes in classification. This information should be shared with community college counterparts.

10. To monitor scores of all SUS students on credentialling examinations.

11. To monitor all major program changes and require program approval for "tracks" that are distinct programs.

12. To include a study of clinical off-campus facilities used by the universities in subsequent reviews to ensure quality education.

C. Postsecondary Education Planning Commission is requested

13. To form an allied health task force to study intersector issues including manpower needs, shared facilities, cost containment, A.S./B.S. concerns, number of hours appropriate for degrees, advisement, recruitment and credentialling.

D. Articulation Coordinating Committee (ACC) is requested

14. To consider the alleged need for an articulation agreement for A.S. students. The Committee, as the appropriate forum for articulation issue, should note the diverse mission of the A.A. and A.S. degree programs in considering the possibility of developing an Articulation Agreement for A.S. graduates.

pse/allied health recomm
4/14/83
Review Team Recommendations

1. If there should be another review of allied health education at a future date, we strongly recommend that the visitation period be extended or that the team be expanded in order that time would be available for visiting and assessing the clinical sites in which allied health training takes place. The schedule for this review did not permit this experience. Since the clinical aspects of the programs are such a vital part of the students' educational program, we feel the clinical sites should be a part of the review.

2. Up-to-date health manpower data are sorely needed and there do not appear to be adequate sources for such information. It is important that arrangements be made for the systematic and continuing collection and dissemination of health manpower information for the state as a whole and also on a regional basis.

3. The problems faced by allied health faculty in qualifying for and gaining equitable consideration for promotion and tenure are such that remedies should be sought in the immediate future. Perhaps increased support personnel with credentials in appropriate allied health disciplines would free faculty from some clinical supervisory and coordinating responsibilities, thereby providing opportunity and time for research, writing, and other activities consistent with the promotion and tenure patterns.

4. It is recommended that a study be made of clinical off-campus facilities used by the universities in subsequent reviews to ensure quality education.

5. Recommendation: PEPC is requested to form a task force to study intersectoral issues including manpower needs, shared facilities A.S./B.S. curricula, number of hours appropriate for degrees, advancement, recruitment, and credentialing.

6. Each university is asked to increase continuing education activities to upgrade the clinical skills of faculty at all levels, including community colleges, and practicing professionals. Improved opportunities for appropriate advanced degrees for allied health faculty are needed. See recommendation 3.

7. The monitoring of off-campus sites is important to ensure uniformity of training and to be sure the student sees the highest quality practice.
Although the project was not fully implemented as planned, the community was still able to benefit from the resources and support. The local government and community leaders worked together to ensure that the project's goals were met. The project's success was celebrated by the entire community.

The project's success was largely due to the strong partnerships that were established. The project's partners included local government agencies, community organizations, and businesses. These partnerships were built on a foundation of trust and mutual respect, which allowed for effective communication and collaboration.

In addition to the partnerships, the project was also successful because of the strong commitment from the community. Residents were actively involved in the planning and implementation of the project, which helped to ensure that the project met the needs of the community.

The project's success has had a positive impact on the community. The project has improved the quality of life for residents, and has provided new opportunities for economic development.

In conclusion, the project was a success due to the strong partnerships and community commitment. The project's success has demonstrated the importance of collaboration and community involvement in achieving positive outcomes.
In addition to the critical factors, additional determinants and variables are necessary to understand the health outcomes of individuals

1. The need for access to health care and the level of health care infrastructure
2. The need for education and training levels

To reduce disparities in health care, it is necessary to address the following:

- Health disparities and inequities
- Social determinants of health
- Economic factors
- Environmental factors
- Access to care

For this reason, there is a need for national health policies that address these disparities. These policies should include:

- Increased funding for research on health disparities
- Increased training for health care professionals in cultural competence
- Increased access to care for underserved populations
- Increased public awareness of health disparities

In conclusion, health disparities are a significant issue that needs to be addressed. By addressing these disparities, we can work towards a more equitable and just society.
Staff Analysis

Review Team Recommendations

1. If there should be another review of allied health education at a future date, we strongly recommend that the visitation period be extended or that the teams be expanded in order that time would be available for visiting and assessing the clinical sites in which allied health training takes place. The schedule for this review did not permit this experience. Since the clinical aspects of the programs are such a vital part of the students' educational program, we feel the clinical sites should be a part of the review.

2. Up-to-date health manpower data are sorely needed and there do not appear to be adequate sources for such information. It is important that arrangements be made for the systematic and continuing collection and dissemination of health manpower information for the state as a whole and also on a regional basis.

3. The problems faced by allied health faculty in qualifying for and gaining equitable consideration for promotion and tenure are such that remedies should be sought in the immediate future. Perhaps increased support personnel with credentials in appropriate allied health disciplines would free faculty from some clinical supervisory and coordinating responsibilities, thereby providing opportunity and time for research writing, and other activities consistent with the promotion and tenure patterns.

ROR Recommended Action

12. To include a study of clinical off-campus facilities used by the universities in subsequent reviews to ensure quality education.

13. Recommendation: PEPC is requested to form an allied health task force to study intersector issues including manpower needs, shared facilities, A.S./B.S. concerns, number of hours, appropriate for degree, admission, recruitment and credentialing.

7. Each university is asked to increase continuing education activities to upgrade the clinical skills of faculty at all levels including community colleges, and practicing professionals. Improved opportunities for appropriate advanced degree for all allied health faculty are needed.

See recommendation 3.

Justification

The monitoring of off-campus sites is important to ensure uniformity of learning and to be sure the student sees the highest quality practice.

Manpower study proposed in PEPC Health Professions Report February 28, 1983. Increase in charge recommended because of intersector issues and need for area coordination among universities and between levels of education.

Update of clinical skills is essential for allied health personnel. Community college facilities also need advanced skills. The opportunity to complete advanced degrees is necessary for place-bound faculty.