

# DEPENDENCE

Newsletter on Drug and Alcohol Issues published by the University of Washington Alcoholism and Drug Abuse Institute

NOVEMBER 1980

ISSUE 26

## OUR SPECIAL THANKS TO FATHER ROYCE

James E. Royce, S.J., Ph.D. has provided invaluable service to ADAI since our beginnings in 1973. He has ably chaired our Community Advisory Board for the past seven years, and has now stepped down from the post, being replaced by Mr. Pat Burns. Father Royce's expertise will not be lost to ADAI as he has agreed to remain a member of the Community Advisory Board.

Recently named "professor emeritus" of Seattle University, Father Royce will retain the title of Director of Alcohol Studies and will continue to teach on a part-time basis.

Jerome V. Schnell, Ph.D., has assumed the role of Executive Director of the Alcohol Studies Program, and will be handling the day-to-day administration of the Program.

We wish continued success to Seattle University and the Alcohol Studies Program, and look forward to working with both Father Royce and Dr. Schnell in the years to come.

## FOCUS ON ADAI STAFF

Congratulations to Elizabeth R. Morrissey, Research Scientist, who was awarded her Ph.D. in Sociology this past June. Liz's high level of energy, intelligence and perseverance are to be commended as she has coupled her school efforts with a full-time job at ADAI and the full-time job of raising a young daughter.

A copy of Dr. Morrissey's dissertation "The Role of Life Changes in the Development of Alcohol-Related Problems: An Investigation of Gender Differences" is available at the ADAI Library.

\*\*\*\*\*

Paul Weathersbee, former ADAI Post-Doctoral Fellow, received an assistant professorship at the University of California, Irvine Medical Center. Paul is assigned to the Division of Endocrinology and Infertility.

## WORKSHOP FOR TREATMENT PROVIDERS

ADAI, in conjunction with the state's Department of Social & Health Services, will be presenting a series of workshops on drug abuse for treatment providers. The workshops will be held on the University of Washington campus, and a refundable \$10 deposit fee is required to hold space in each workshop.

|                    |  |
|--------------------|--|
| November 21, 1980: | Consequences of Teenage Polydrug Use                                     |
| January 16, 1981:  | Drug Treatment: What Works?  |
| February 20, 1981: | Pre-Natal Drug Effects   |
| March 13, 1981:    | Aging and Drug Therapies   |
| April 24, 1981:    | Women and Drug Abuse   |
| May 22, 1981:      | Effectiveness of Behavioral Approaches<br>in the Treatment of Drug Abuse |

For registration information, please contact the Alcoholism & Drug Abuse Institute at (206) 543-0937.

FROM THE DIRECTOR

Exciting things have been happening in the year that I have been the Director of the Alcoholism and Drug Abuse Institute. We have reorganized the Institute to serve more fully the University and the Community in which we live, and to better meet research needs in the field of alcohol and other drug abuse. Toward this goal, a Program Committee, consisting of five University faculty and myself, has been established.

Dr. Herman Samson, of the Department of Psychology, is the member in charge of meeting the research needs of the faculty. Hank coordinates the activities of nearly 50 Research Affiliates who are actively engaged in alcohol and other drug research. He also organizes conferences and seminars to keep faculty aware of new research findings.

Dr. Elizabeth Morrissey is Hank's counterpart for the Community. Liz is a member of the Institute staff and a sociologist. Through the development of the Professional Affiliate Program, Community professionals in the alcohol and other

drug abuse field become eligible for all the services offered to Research Affiliates. We believe that closer ties between the University and the Community are of the utmost importance, and feel that heightened interaction will benefit both the clinician and the researcher. For example, the Institute has recently designed follow-up studies for two agencies in this area to enable them to evaluate their long-term treatment effectiveness. We would be most interested to help other agencies with projects that are research or evaluation related.

Dr. Douglas Bowden is now Chair of the Institute's Small Grants Program. The Institute awards \$100,000 yearly for promising research projects. Applications are reviewed both for scientific merit and for relevance to the field by a team of 17 independent investigators. The review process is similar to that used at the National Institutes of Health. Doug is a physician, a member of the Department of Psychiatry & Behavioral Sciences, and Associate Director of the University's Primate Center.

(continued on page 3)

NATIONAL MAGAZINE "ALCOHOLISM" PUBLISHED IN SEATTLE

The first issue of "Alcoholism" arrived hot off the presses in September. Including articles on the fetal alcohol syndrome, sexual dysfunction in alcoholics, and information on Seattle's NCA Forum, among others, we found the new magazine informative, easy to read, and one that has appeal for a wide range of people.

The next issue will be out in November (a bi-monthly publication) and future articles will focus on alcoholism in women, alcoholism in pro-sports, and a three-series article on the children of alcoholics.

To date, the magazine is available at one newstand in Seattle (Bartell Drugs, 1st West & Mercer). Subscription information can be obtained by calling the Seattle office (206) 282-2698, or by writing to the magazine at P. O. Box C19051, Queen Anne Station, Seattle, 98109.

Congratulations to Jerauld D. Miller, Publisher, Rick Roth, Editor, and to the entire staff of "Alcoholism" for providing a much needed informational service to the Community.

Alcoholism, in all its ramifications, is the third leading cause of death in the United States, after heart disease and cancer.

FROM THE DIRECTOR (continued)

Professor Roger Roffman is on the faculty of the School of Social Work. He is in charge of special projects at the Institute and is our "idea man." One of Roger's most exciting projects this year is the institution of a new Faculty Scholarly Development Award. The purpose of this award is to encourage new investigators to begin research in our field. Roger has also developed a newspaper column that has already been published in one Seattle neighborhood paper.

The newest member of the Program Committee is Dr. Robert Hillman, physician, hematologist, and Co-Director of the University Learning Resources Center. Bob will be working on new ways to stimulate alcohol and drug research in the Health Science fields. He will also be advising on how health professionals can become more knowledgeable about alcohol and drug problems.

All of us here at the Institute depend on our Community Advisory Board for guidance and support. Mr. Pat Burns recently assumed the Chair of this Board, a post held by Father James Royce since ADAI was founded in 1973. Father Royce requested a rest from his administrative Board duties, but fortunately he is staying on as a member. As the Institute grows, so do our needs for assistance from the community. Accordingly, committees of the Board are being formed to provide assistance in many areas. For example, some of the clinicians will be advising us how best to handle the many calls for help from persons abusing alcohol or other drugs that we receive each week.

Both the Program Committee and the Community Advisory Board are important facets of ADAI. The people serving on these committees are dedicated and dynamic. It is a privilege to work with them.

- Dr. Ruth E. Little

# # # # #

SECRETARIES MOST AT RISK  
FOR STRESS

Studies indicate that secretaries represent the highest occupational category of stress-related occupations today. In the positions of nurse, teacher, waitress and secretary, women work in jobs that are extensions of the role of wife and mother. In these roles, women have been systematically underpaid and denied promotions and access to training programs.

As a result, alcoholism and drug abuse emerge as primary manifestations of women coping with feelings of helplessness and depression. This information is according to Dr. Dale Masi, guest lecturer at ADAMHA's Women's Council's "Women and Drugs."

RESEARCH FORUM OFFERED IN DECEMBER

*"Mechanisms responsible for feminization in chronic alcoholic men" will be the subject of ADAI's December 1980 forum. David H. Van Thiel, M.D., Associate Professor of Medicine and Chief of Gastroenterology, University of Pittsburgh, will be the guest speaker.*

*The forum will be held from 3:00 to 4:30 p.m. in room T-531 of the University of Washington's Health Sciences Building on Thursday, December 4, 1980.*

COMMUNITY ADVISORY BOARD

The Community Advisory Board is composed of professional and lay persons with special interest in research about alcohol and other drug abuse, and serves as a liaison between the Institute and the Community. Members guide the Institute in developing research directions that address relevant questions for community professionals. They also identify other ways in which the Institute can serve the Community. On the other hand, they create a climate for research that assists investigators in carrying out projects using human subjects. Finally, the Board acts as a liaison between the Institute and the Community in interpreting and publicizing on-going research activities.

The Community Advisory Board has been recently reorganized in order to encourage greater cooperation between the Advisory Board and the Institute's Program Committee, which is responsible for administering Institute programs. The reorganization began in the spring of 1980, under the direction of Father James Royce, with the development of by-laws specifying the structure and function of the Board and its sub-committees.

Standing committees within the Board have been established in the areas of public relations, legislation, training, and membership. Board committees are also available to advise the Institute's Program and Small Grants Review Committees and to assist in the development of a policy governing the referral of individuals calling the Institute for alcoholism and drug abuse treatment.

(...continued on page 6)

ADAI AWARDS GRANTS

*After careful review by a team of 17 independent investigators - a review similar to that used at the National Institutes of Health - the following grants were awarded to University faculty for research in the areas of alcohol and drug abuse.*

March 1980 Awards

A grant to study the effects of alcohol on memory loss was awarded to Dr. Robert J. Douglas (Psychology). Dr. Douglas and his colleagues are examining the permanence of such memory loss, and at which point the memory loss can be reversed.

\*\*\*

Dr. Akiro Horita (Pharmacology) was awarded a grant to study the interaction of alcohol and antihistamines. Alcohol and antihistamines are both depressants and affect functions in all parts of the Central Nervous System (coordination, etc.). The clinical implications of this study include the contraindication for combining alcohol with antihistamines (allergy medication) due to the increased depressant effects on the CNS.

\*\*\*

An award was given to Dr. Alan Fantel (Pediatrics) for a continuation of his studies with chronic/acute drinking in pregnancy and effects on the embryo. Specifically, the study will look at how alcohol ingestion might speed up metabolism of other compounds, including other drugs, to increase the rate of defects occurring in the embryo.

\*\*\*

Phenobarbital is often prescribed for infants with seizure problems. There has been no previous research on the effects of such medication on brain growth. Dr. Jaime Diaz (Psychology) has been awarded a grant for continuation of his studies in this area, which began in Berkeley.

\*\*\*

(...continued on page 7)

DEBUT!

The first publication of ADAI's new column on research findings appeared in the University Herald on September 10, 1980.

This new service was established in order to disseminate the results of research findings to the community. Sample columns have been sent to more than 200 additional newspapers throughout the state of Washington in hopes of soliciting further interest in the project.

# #

OPPORTUNITY FOR ALL ALCOHOLISM & DRUG ABUSE PROFESSIONALS -  
ADAI's PROFESSIONAL AFFILIATE PROGRAM

The Institute's recently expanded Professional Affiliate Program provides an opportunity for professionals working in the fields of alcoholism and drug abuse to affiliate with the Institute so that they may contribute directly to the Institute's program development and may take advantage of services available through the Institute.

Professional Affiliates receive notices of Institute-sponsored symposia and workshops, as well as the Institute newsletter, "Nepenthe." Affiliates may also request technical research assistance in the preparation of grant proposals, in the conduct of program evaluations or needs assessments, and research consulting services in data processing and analysis. Library research services are also available to affiliates upon request, as are announcements of funding opportunities received from NIAAA and NIDA.

Affiliates are encouraged to contribute

to developing Institute program emphasis by providing input to Institute staff regarding training needs, possible topics for workshops and research questions that may be especially relevant to service providers.

Professional Affiliates, which now number 95, include alcoholism and drug abuse counselors, program coordinators, and directors, administrators, planners and program evaluators.

Many of the new affiliates responded to the announcement describing the expanded program which was circulated in the spring of 1980. For those who did not receive the program announcement or who neglected to complete and return their application for affiliate status, an application may be obtained by filling out the form provided below, and mailing it to: Jane Ramsey, Administrative Services Manager, Alcoholism and Drug Abuse Institute, University of Washington (NL-15), Seattle (98195).

-----  
PROFESSIONAL AFFILIATE STATUS (Request for Application)

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

EMPLOYER \_\_\_\_\_ POSITION TITLE \_\_\_\_\_

COMMUNITY ADVISORY BOARD (continued)

Dr. Larry Bergner has chaired the Board through its recent and difficult transition period, providing strong leadership in the development of by-laws and the establishment of sub-committees. He has recently resigned from the Board due to an extended absence from Seattle.

The chairmanship of the Board has been accepted by Mr. Patrick M. Burns, who was unanimously elected at the Board's meeting of October 1, 1980. Mr. Burns, who joined the Board this year and chaired the committee which formulated the new by-laws, is Assistant Vice President of Olympic Bank, Everett, and is a graduate of Seattle University's Alcohol Studies Program.

Board members are composed of professionals, administrators, and educators working in the alcoholism and drug abuse fields. Membership also includes professionals from other areas of government, business and industry.

Although the Board membership now stands at 13, new members are being recruited to expand its size to 17. The increased size will allow for the formation of an executive committee, as specified in the new by-laws. The executive committee will meet more frequently than the full Board so that on-going community input will be available to the Institute's Director and Program Committee. Current Board members include:

- Patrick M. Burns, Chairman
- Tom Armstrong, Chief, Office of Alcoholism, Bureau of Alcohol & Substance Abuse
- Art Clemente
- Lorie Dwinell, Madison Therapy Associates
- Ronald Fagan
- Gordon Hampton, Pacific Northwest Bell
- Bill Heinlein
- Charles Kester, Manager, King County Division of Alcoholism Services
- Karil Klingbeil, Director, Department of Social Work, Harborview Medical Center
- Jack Mahler, Executive Director, Northwest Treatment Center
- Hon. George Mattson, Renton District Court
- Father James E. Royce, Seattle University
- James Smith, Medical Director, Schick's Shadel Hospital, Inc.

**MONEY FOR THE ELDERLY**

Both NIDA and NIAAA have recently increased their budgets for support of research, training, and education programs related to the drug and alcohol abuse of older persons.

In a Senate Special Committee on Aging, ADAMHA Institutes reported that they are expanding their programming to provide more comprehensive and accessible mental health services to the elderly.

The elderly population is reported to consume the largest proportion of legal drugs, and has more insidious and complex problems of alcohol abuse than any other age group in the country.

/// // // // // // // // // //

*Modeling has been found to be the most significant factor in drug abuse according to the 1979 National Survey on Drug Abuse.*

*Older siblings are the most effective models, with the mother's drug behavior being the second most powerful influence. Familiarity with drugs increases prevalence of use, and those who abuse drugs tend to start with the legal ones (cigarettes and alcohol).*

/// // // // // // // // // //

**PROFESSIONAL AFFILIATE STATUS**

(Request for Application)

#####  
 # PASS THE PERRIER #  
 # "More and more people I know, who are not alcoholics, are #  
 # beginning to question the wisdom of drinking. It's be- #  
 # coming socially acceptable not to drink, and increasing #  
 # numbers of people are likely to be tipping something #  
 # other than booze when they party these days." This com- #  
 # ment from Dr. Joseph A. Pursch, who treated both Billy #  
 # Carter and Betty Ford for their drinking problems. #  
 # (American Business Men's Research Foundation.) #  
 #####

GRANTS AWARDED (continued)

March 1980

Drs. Earl Hunt (Psychology) and Peter Coggan (Family Medicine) were awarded a grant for their study on human information processing as it is affected by alcohol, Valium, and Dalmane. (Though frequently prescribed, Valium and Dalmane may affect the performance of day-to-day activities.) This study is intended as a first step in the development of tests for evaluating individual reactions to prescribed and socially used drugs, emphasizing mental performance.

\*\*\*

A grant was awarded to Professor Roger Roffman (Social Work) for his studies with cancer patients and the use of THC (active ingredient in marijuana). THC is an effective drug for reducing the nausea of chemotherapy. This study intends to examine the potential of preparing an individual to cope with undesirable side effects as well as establishing a positive mental attitude concerning THC, and, ultimately, may contribute to increasing knowledge about the optimal means of using THC as a medicine.

\*\*\*

July 1980

Group therapy in clients using methadone maintenance is being studied by Drs. Edmund Chaney (Psychiatry) and David Nelson (Psychology). Groups are formed according to personality classification (i.e., addicted + depressed, addicted + personality disorder, etc.) and group therapy effectiveness will be determined in each case. Clinical implications include determining which people are more responsive to group therapy (in conjunction with individual therapy) and which would be better served by another kind of therapy (i.e., instructional/educational, activities, and other less intensive forms of treatment.)

\*\*\*

Dr. Timothy Roehrs (Psychology) received a grant for his study on the effect of a minor tranquilizer (Librium) on amount of alcohol consumed (i.e., would taking Librium increase amount of alcohol consumed, decrease it, or have no affect at all). Dr. Roehrs will look for these specific changes to determine differences in light, moderate, and heavy drinkers as their alcohol consumption is affected by

Librium.

\*\*\*

Drs. Norman Vigfusson and Earl W. Fleck (Primate Center) received an award for their study on alcohol's effects on the chromosomes. They are looking at the extent of damage to genetic material in male and female alcoholics, the premise being that because of the damage to the genetic material from alcohol abuse, physiological problems will occur in the adult, and birth defects/mutation will occur in the offspring.

\*\*\*

Dr. William Gore (Political Science) was awarded a grant for his study of community alcohol treatment programs, and their effect on the surrounding communities. Dr. Gore's study will identify ways in which activities associated with alcohol treatment might impinge upon local life styles, and alert community leaders so that they can avoid pushing the community into controversy - thus allowing the treatment centers to integrate effectively into the surrounding community.

\*\*\*

(NOTE: Many studies utilize animals rather than humans in order to contain costs and to avoid ethical problems of human experimentation. In all cases where animals are used, guidelines for drawing inferences to the human condition are given.)

LIVING WITH STRESS -  
NO VALIUM, PLEASE

In the United States, the Food and Drug Administration has recently announced an agreement with five major drug manufacturers to revise labeling on tranquilizers, thus impacting advertisements and publications aimed at physicians to discontinue prescribing tranquilizers for "anxiety or tension associated with everyday stress." The makers of Librium and Valium are among those companies involved in the agreement.

Canadian doctors are also being encouraged to limit their prescriptions of Valium and Librium. While the recommendations are not intended to be imposed by federal government regulation, there is the implicit understanding that this is the first step in a process designed to reduce overuse and abuse of minor tranquilizers.

Doctors and patients alike are asked to rediscover the fact that a lot of anxieties are normal, and patients should be discouraged from turning to drugs every time they feel anxious. In addition, doctors are being asked to spend a sufficient amount of time with the anxious patient to determine the seriousness of their anxiety and whether it might be masking an underlying depression.

In both the U.S. and Canada, most users are believed to be middle-aged women and the elderly.

#####

FROM THE LIBRARY

*(Following is a list of recent books in alcohol and drug use. These books are available at ADAI's library. The policy of the Institute's library is that these books cannot be checked out, but are available for perusal.)*

ALCOHOLISM TREATMENT AND BLACK AMERICANS, by Frederick D. Harper. Rockville, Md.: NIAAA, 1979, DHEW Pub. No. (ADM) 79-853.

THE ALCOHOLIC EMPLOYEE: A HANDBOOK OF USEFUL GUIDELINES, by Ashton Brisolar. New York: Human Sciences Press, 1979.

CLINICAL SUPERVISION: SKILLS FOR SUBSTANCE ABUSE COUNSELORS: MANUAL AND TRAINEE'S WORKBOOK, by David J. Powell. New York: Human Sciences Press, 1980.

KIDS & BOOZE: WHAT YOU MUST KNOW TO HELP THEM, by Wilbur Cross. New York: Dutton, 1979.

DRINKING CAREERS: OCCUPATIONS, DRINKING HABITS AND DRINKING PROBLEMS, by Martin A. Plant. London: Tavistock Pub., 1979.

FERMENTED FOOD BEVERAGES IN NUTRITION, ed. by Clifford F. Gastineau; William J. Darby; Thomas B. Turner. New York: Academic Press, 1979.

FORMER ADAI DIRECTOR  
RECEIVES AWARD

Dr. Sharon Landesman-Dwyer has received the Research Career Development Award from the National Institute of Child Health and Human Development. This award will support a five-year study on the effects of residential life on retarded people. Specifically, the study will include:

- (1) assessment of the effect of moving retarded persons to new residential environments;
- (2) specification of which characteristics of the environment promote positive change and which produce undesirable outcomes;
- (3) assessment of individual differences within similar environments; and
- (4) effects on families whose retarded children leave home.

Dr. Landesman-Dwyer was Director of the Alcoholism & Drug Abuse Institute from 1978 to 1979, and is currently Assistant Professor of Psychiatry & Behavioral Sciences, and a Research Affiliate with the Child Development and Mental Retardation Center.

Sharon has devoted nearly ten years to the study of effects of residential life on retarded people.

(...continued on page 9)





...AND MORE...FROM THE LIBRARY

EVALUATING ALCOHOL AND DRUG ABUSE TREATMENT EFFECTIVENESS, ed. by Linda Sobell, Mark Sobell, Elliot Ward. New York: Pergamon Press, 1980.

MINIMUM DRINKING AGE LAWS: AN EVALUATION, by Henry Wechsler. Lexington, MA.: Lexington Books, 1980.

THEORIES ON DRUG ABUSE: SELECTED CONTEMPORARY PERSPECTIVES, ed. by Dan J. Lettieri et al. Rockville: NIDA, 1980 (NIDA Research Monograph #30).

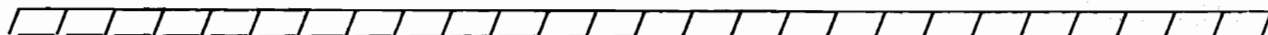
PHENOMENOLOGY AND TREATMENT OF ALCOHOLISM, ed. by William E. Fann et al. New York: SP Medical & Scientific Books, 1980.

MARIJUANA USE AND CRIMINAL SANCTIONS: ESSAY ON THE THEORY AND PRACTICE OF DECRIMINALIZATION, by Richard J. Bonnie. Charlottesville: Michie Co., 1980.

TALKING OUT OF ALCOHOLISM: THE SELF-HELP PROCESS OF ALCOHOLICS ANONYMOUS, by David Robinson. London: Croom Helm, 1979.

ALCOHOL AND HUMAN MEMORY, ed. by Isabel Birnbaum and Elizabeth Parker. Hillsdale, NJ: Lawrence Earlbaum, 1977.

ALCOHOLISM: A PERSPECTIVE, ed. by Fathy S. Messiha and George S. Tyner, Westbury, NY: PJD Publications, 1980.



NEW RESEARCH MONOGRAPH SERIES  
FROM NIAAA

*The National Institute on Alcohol Abuse and Alcoholism recently published the first three volumes of a new Research Monograph series. Single copies of the monographs are available from the National Clearinghouse for Alcohol Information / P. O. Box 2345 / Rockville, MD. (20852).*

- #1. Alcoholism and Alcohol Abuse Among Women: Research Issues; proceedings of a workshop, April 2-5, 1978, Jekyll Island, GA., prepared by Division of Extramural Research, Rockville: NIAAA, 1980. (DHEW Publication No. (ADM) 80-835).
- #2. Alcohol and Nutrition; proceedings of a workshop, September 26-27, 1977, Indianapolis, ed. by Ting-Kai Li, Steven Schenker, Lawrence Lumeng. Rockville: NIAAA, 1979. (DHEW Publication No. (ADM) 79-780).
- #3. Normative Approaches to the Prevention of Alcohol Abuse and Alcoholism; proceedings of a symposium April 26-28, 1977, San Diego, ed. by Thomas Harford, Douglas Parker, Lillian Light. Rockville: NIAAA, 1980. (DHEW Publication No. (ADM) 79-847).

|   |
|---|
| <p>NEW JOURNALS IN ALCOHOL AND DRUG USE</p> <p>ALCOHOLISM/THE NATIONAL MAGAZINE, Seattle, Alcom, Inc., 1980 - Bimonthly, \$12.00/year.</p> <p>DEVIANT BEHAVIOR, Washington, D.C., Hemisphere Publishing Co., 1979 - Quarterly, \$39.50/year.</p> <p>FOCUS ON WOMEN: JOURNAL OF ADDICTIONS AND HEALTH, Philadelphia, George F. Stickey Co., 1980 - Quarterly, \$27.00/year.</p> <p>NEUROBEHAVIORAL TOXICOLOGY, Fayetteville, NY, ANKHO International, Inc., 1979 - Quarterly, \$75.00/year.</p> <p>RESEARCH COMMUNICATIONS IN SUBSTANCE ABUSE, Westbury, NY, PJD Publications, Ltd, 1980 - Quarterly, \$50.00/year.</p> <p>SUBSTANCE AND ALCOHOL ACTIONS/MISUSE, Elmsford, NY, Pergamon Press, 1980 - Bimonthly, \$55.00/year.</p> |
|---|

BUDGET '81

The House of Representatives approved nearly a billion dollars for alcoholism, drug abuse, and mental health research and treatment programs. Following are the figures in the House bill.

ALCOHOL, DRUG ABUSE, AND MENTAL HEALTH ADMINISTRATION

|                               | <u>1980</u><br>(comparable) | <u>1981</u><br>(budget) | <u>1981</u><br>(bill) |
|-------------------------------|-----------------------------|-------------------------|-----------------------|
| <u>General Mental Health:</u> |                             |                         |                       |
| Research                      | \$141,192,000               | \$156,458,000           | \$147,000,000         |
| (Rape Program/not considered) | (4,058,000)                 | (5,718,000)             | ---                   |
| Training                      | 90,354,000                  | 90,354,000              | 93,854,000            |
| Community programs:           |                             |                         |                       |
| Mental health centers         | 235,411,000                 | 257,294,000             | 253,000,000           |
| Demonstrations                | 7,600,000                   | 47,100,000              | 20,000,000            |
| Unauthorized/not considered   | (50,932,000)                | (63,361,000)            | ---                   |
| Program support               | <u>34,943,000</u>           | <u>38,061,000</u>       | <u>37,000,000</u>     |
| Subtotal                      | <u>\$509,500,000</u>        | <u>\$589,267,000</u>    | <u>\$550,854,000</u>  |
| <u>Drug Abuse:</u>            |                             |                         |                       |
| Research                      | \$ 46,000,000               | \$ 50,192,000           | \$ 46,000,000         |
| Training                      | 8,680,000                   | 7,644,000               | 7,644,000             |
| Community programs:           |                             |                         |                       |
| Project grants/contracts      | 161,000,000                 | 161,000,000             | 161,000,000           |
| Grants to States              | 38,000,000                  | ---                     | 30,000,000            |
| Program support               | <u>18,540,000</u>           | <u>19,448,000</u>       | <u>19,448,000</u>     |
| Subtotal                      | <u>\$272,220,000</u>        | <u>\$238,284,000</u>    | <u>\$264,092,000</u>  |
| <u>Alcoholism:</u>            |                             |                         |                       |
| Research                      | \$ 22,251,000               | \$ 25,141,000           | \$ 22,251,000         |
| Training                      | 7,200,000                   | 5,821,000               | 5,821,000             |
| Community programs:           |                             |                         |                       |
| Project grants/contracts      | 78,706,000                  | 108,308,000             | 73,000,000            |
| Grants to States              | 54,800,000                  | ---                     | 50,000,000            |
| Program support               | <u>10,167,000</u>           | <u>10,841,000</u>       | <u>10,167,000</u>     |
| Subtotal                      | <u>\$173,124,000</u>        | <u>\$150,111,000</u>    | <u>\$161,239,000</u>  |
| Buildings/facilities          | ---                         | \$ 5,425,000            | \$ 5,425,000          |
| Program management            | <u>9,814,000</u>            | <u>10,867,000</u>       | <u>10,867,000</u>     |
| TOTAL                         | <u>\$964,658,000</u>        | <u>\$993,954,000</u>    | <u>\$992,477,000</u>  |
| (Total unauthorized)          | (54,990,000)                | (69,079,000)            | ---                   |