

2 Local Seniors To Get Taste of Duke Research

Two rising seniors in local high schools will get a valuable early taste of college level study and research this summer at Duke University as participants in the American Chemical Society's nationwide "Catalyst Program."

Carlos Page of Hillside High, and Miss Doris Eubanks of Durham High—the two students selected from a group of talented and sophisticated Durham youths interviewed for the program—say they are enjoying Catalyst so much they regret only the fact that their contending classmates were not able to get in the program with them.

Page and Miss Eubanks, as well as others who preceded them in earlier AGS Catalyst programs at Duke, are typical of those nominated by high schools science teachers here and in other U.S. cities where the professional society has established them through its local chapters.

Each participant has a demonstrated interest in scientific learning, says Dr. Robert W. Henkens, professor of chemistry and the coordinator for Catalyst at Duke. He adds that each meets the pre-requisite guidelines set by the society for nominees in that they have a background of "a culturally or economically disadvantaged family," or have lived in a neighborhood "where educational motivation does not flourish."

The society's hope is that by involving youth in Catalyst projects all over the country in the summer before their senior year in high school, they may be motivated to overcome many of the obstacles that otherwise would be troublesome at university levels.

Page and Miss Eubanks and their counterparts elsewhere receive \$500 stipend for their summer work. Made possible through contributions to ACS Corporation Associates, a group of chemical businesses and foundations, the stipend may be used by the student any way he chooses.

The cooperating colleges and universities in Catalyst programs provide supplies, lab space, equipment, and supervision.

Carlos, who lives at 307 1/2 Bell Street, is working in Duke's new Gross Chemical Laboratory on West Campus in a project called "Synthesis of Aliphatic Azo-Compounds." His supervisor is Dr. Peter Smith, professor of chemistry. Much of Carlos' work is being done in conjunction with that of fourth-year Duke graduate student Lee Gilman who is pursuing his Ph. D. in chemistry.

"What I am learning this summer at Duke is giving me a whole new outlook on my future," the Hillside High youth said during an interview in the lab. "I want to continue in chemistry when I get to

DAILY LIVING

Why Be Tired After taking a Vacation?



William Thorpe

"Can We Corral Nature's Forces?"

The man who spends his time getting promoted through pull and influences seldom is able to hold any important position for which he has not been fitted by experience. The same thing holds true when a person who reaches a goal through bluff and pretense can lose it just as quickly, once exposed.

One of the main reasons is because the forces of nature and the forces of man require time for their unfolding and development. That's why we can hurry our own progress only by a more earnest

college, and I hope to go on for a Ph. D. also in the field of physical chemistry.

"But right now, I don't know for sure if I will want to be a research chemist or to teach. You know, since I've been here this summer, I've found out it's possible to do both!"

Miss Eubanks, who lives at 176 Estes Street, wants to become a computer specialist, but she also has leanings toward using that specialty perhaps in the field of pediatrics.

Her interest in the electronic data processing field actually led her into the American Chemical Society summer program by way of her high school chemistry teacher, Mrs. Rebecca Gregg, who knew of Doris' capabilities both in chemistry and in data processing at Durham High.

It was Mrs. Gregg who recommended her for the interviews which led to Doris' selection for Catalyst.

At Duke, the attractive Miss Eubanks is working on a project entitled simply "Computer Applications in Chemistry." In her project she has the comforting guidance of Dr. Charles Lochmuller, professor of chemistry who has specialized in analytical methods using the computer.

Since the program began in June, Miss Eubanks has learned to operate a teletype computer and to prepare chemical mathematics problems in computer language for the machine to solve. Her work is something entirely new and different from her high school computer training.

Eventually, she wants to participate in Duke's Physicians Associate program, one for which she has been pre-selected and for which her training in Catalyst this summer is good advance preparation, Lochmuller says. "If I am successful in the Physicians Associate program," Doris says, "I certainly hope to go into pediatrics. Children are lots more fun to work with than machines," she laughed.

experiences. As a result, they make many costly mistakes, which causes them to get involved in personal difficulties. Therefore, due to the lack of the experience and knowledge of mental adjustment to face life's happenings, they try to adopt a "don't care" attitude and other ways and means to capture any of the temporary joys of this life.

Not only young people, but many adults have missed the real meaning of life itself, and decided that it's no use trying to preserve any ideals. It would be wise now to remember the things that were mentioned about this fast moving age, and also remember that this universe is not in a hurry, it operates mathematically with the same speed and rhythm, also abides excellent according to the laws of the creator of

This brings us up to the question: Why can't we abide by the laws of our creator?

In my opinion, it is because of the fact of man's possession of free will and free choice in the world in which he lives without being isolated is given every opportunity on his strive toward perfection by earning it through his development. We have an eternity of time and place right here upon this earth to do the things we choose whether it's good or evil. But by trying to do both, it has led us to the point where the way of life is rugged, that our path is often beset with heart-breaking insurmountable obstacles so that we cannot see how we can possibly make the best of what happened which has caused us to live in the condition of the chaotic world today.



YOUNG CHEMISTS — Doris Eubanks of Durham High, and Carlos Page of Hillside, both rising seniors this fall, are participants this summer in the American Chemical Society's "Catalyst Program" at Duke University. Both are interested in further scientific training.

Miss Eubanks hoping to use her chemical studies and knowledge of computer techniques in a career in pediatrics, eventually, while young Page wants to either teach or do advanced research in chemistry.

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