

Student's paper earns distinction

The American Society of Clinical Pathologists has selected Jeffrey C. Shivers, a third-year medical student as a winner in its annual Sheard-Sanford Contest.

Shivers earned the distinction for a research paper he wrote entitled, "Effect of Rheumatoid Factor and Anti-Immunoglobulin G Antibodies on Complement-Mediated Lysis of Herpes Simplex Virus-Infected Human Fibroblasts."

He will receive an all-expense-paid trip to Dallas, Tex., in March to present his paper at the society's spring meeting. He also will receive a certificate from the organization and a commemorative medal from Bausch & Lomb, Inc.

The award competition is open to students in all American medical schools. Shivers, who lives in West Chester, Pa., is one of only two recipients this year.

Med center on display at mall

The medical center will be represented by five booths at the Human Services Expo today and tomorrow at South Square Mall.

One of the events of Durham Human Relations Week, which began Sunday, Expo will show the programs, resources and services of various human service agencies.

Duke's Adult Psychiatric Clinic, Poison Control Center, Cancer Control Program

and Pediatric Recreation Therapy Program will have displays and distribute information about their services.

Expo runs from noon-9 p.m. today and 10 a.m.-5 p.m. on Saturday.

Other Human Relations Week activities today at South Square are a Red Cross Blood Mobile, a "friendship quilt" and a "children's friendship mural."

Supplies and instruction will be supplied for all those who wish to participate in the quilting. The mural will be painted by children visiting the mall.

The week concludes tomorrow evening with "Black 'n Blues," an evening with blues artists of Durham.

Tickets are available free from the Durham Arts Council, City Hall Public Information Desk and at St. Joseph's Performing Arts Center, where the performance will take place. Show time is 7 p.m.

Whistles available

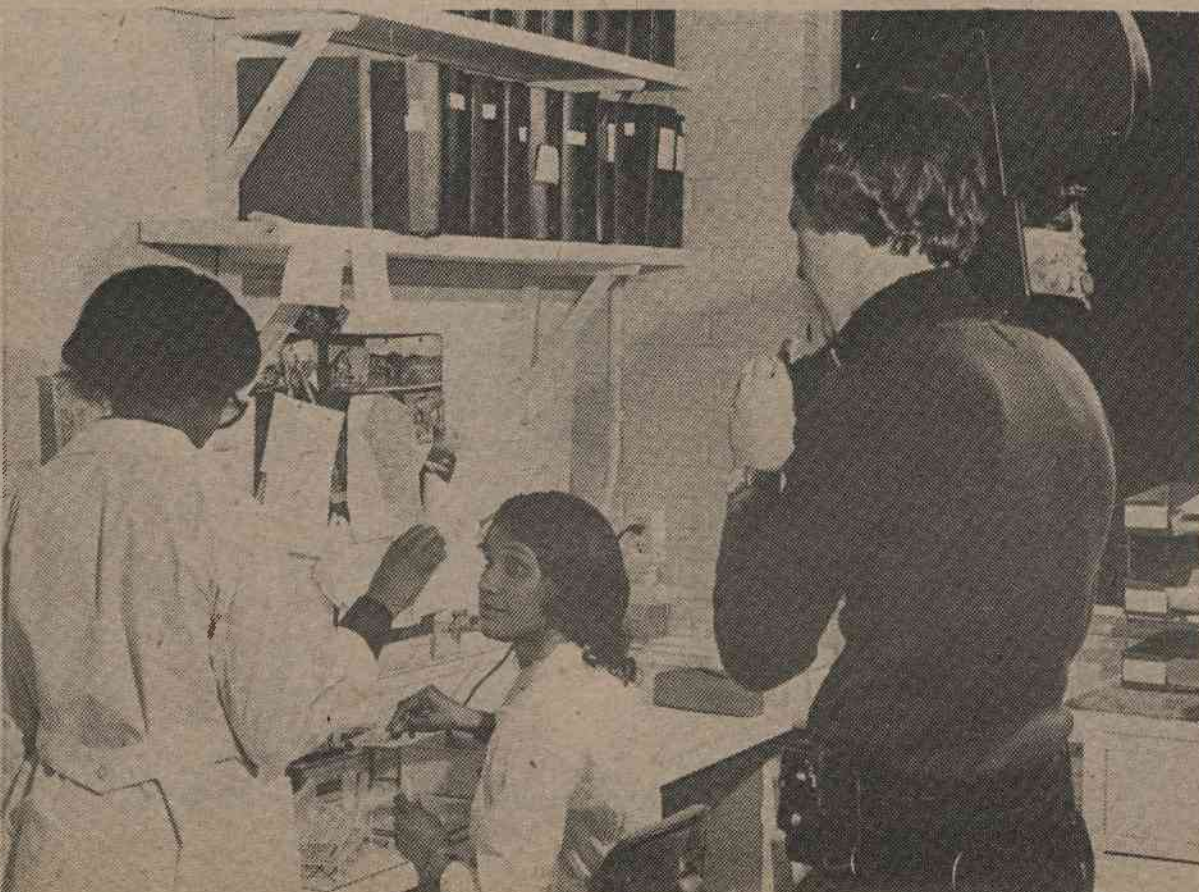
Operation Whistle Watch (see *Intercom*, 12/9/77) whistles and literature now are available in the Medical Center Bookstore. A donation of \$1.25 is asked for each whistle.

The program is sponsored by B'nai B'rith Women.

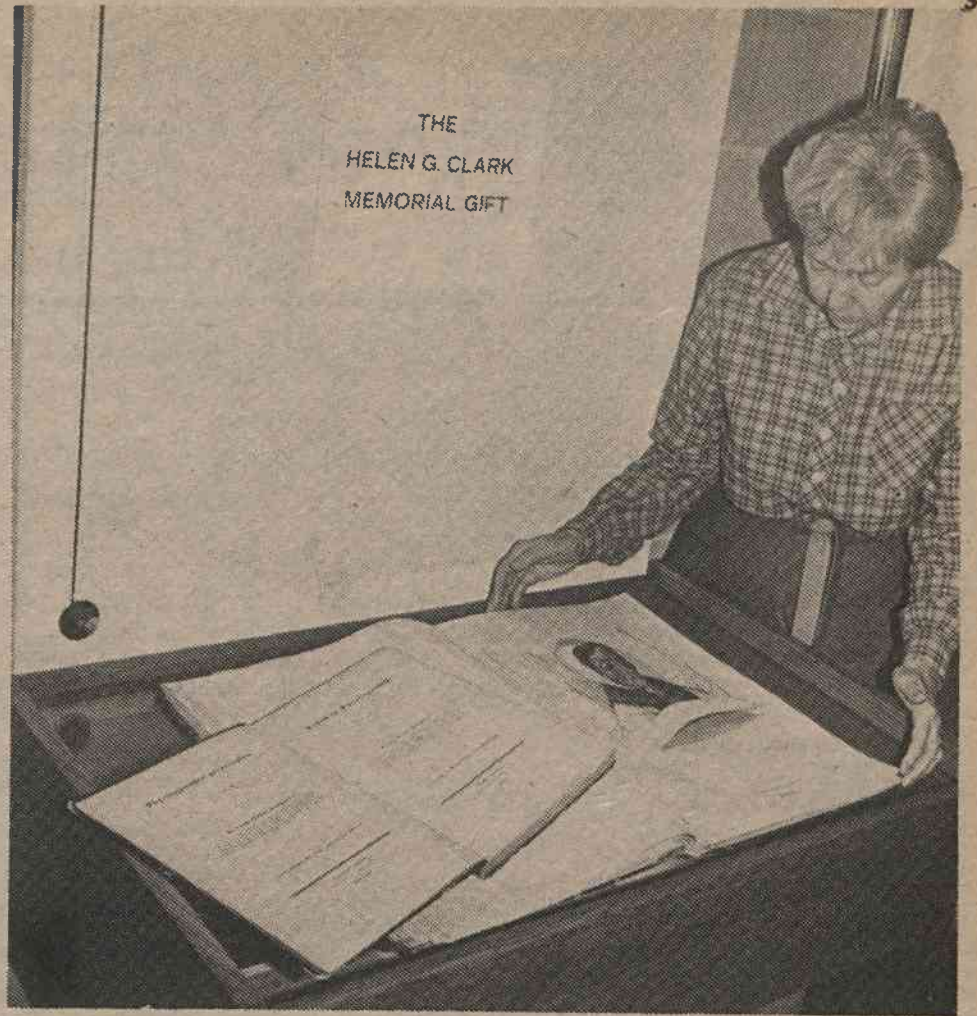
Proponents of Operation Whistle Watch urge citizens to carry a whistle on a key chain and to blow the whistle loudly if attacked. This could alert passers-by and the police and possibly scare off the attacker.

On tour today

The second group from the health occupations club from J. F. Webb Senior High School in Oxford are touring the medical center today. The group of 23 eleventh and twelfth graders are accompanied by their advisor, Marjorie Strong, a former hospital employee.



SILENT LANGUAGE ON FILM — When Newsweek Broadcasting was here two weeks ago (also see photo on page 1), one of their film story subjects was Edith O'Neal, seated here and "listening" to her lab partner, Medical Technologist Doris Sanders, spell out a message to her in sign language. Cameraman Jerry Cardwell films them. The O'Neal story, not yet scheduled for telecasting, will explain how she, unable to hear since the age of one, successfully copes with her handicap at home and at work as a technician in Dr. Charles Roe's Pediatric Metabolism Laboratory in the Bell Building. (Photo by John Becton)



MEMORIAL BOOKS—Susan Cavanagh, medical center librarian, arranges books which are part of the Elon H. Clark Exhibit Gallery in the Seeley G. Mudd Building. The two books shown, both rare and remarkable for their illustrations, were purchased from funds provided by a memorial fund for Helen Clark. Helen Clark came to work at the medical center in 1934 and was the first formally trained medical secretary here. She was the wife of Elon Clark, who established what is now the Division of Audiovisual Education and served on the faculty until his retirement three years ago. The books, published in 1839, are a part of the Trent Collection. The author of the books, Karl Baumgartner, attempted to establish a diagnostic technique by sketching the faces of patients with identified illnesses. (Photo by Parker Herring)

Researcher studies possible MS-measles link

The National Multiple Sclerosis Society has awarded a \$73,024 grant to a Duke scientist who is studying a possible link between measles and multiple sclerosis.

Dr. Hans Zweerink, associate professor of microbiology and immunology, received the grant which will support his research for 18 months.

Zweerink said he is trying to develop sensitive methods for detecting small amount of measles virus in infected cells.

Search for measles virus

He hopes to use these improved research tools to determine whether brain tissue and white blood cells taken from patients with multiple sclerosis contain complete measles virus particles called virions or virion fragments.

The research involves preparing radioactively labeled measles virus



proteins and nucleic acid and then raising antibodies to the viral proteins, the scientist said.

Complicated tests known as "competitive radioimmunoassays" and

"hybridization analysis" will then be used to find the infectious agents.

Detection requires sensitive technique

"It is very important to study the possible correlation between measles virus and multiple sclerosis because the virus has been implicated as a potential cause of this tragic disease," Zweerink said.

"There is some indirect and very inconclusive evidence to support a correlation. If the virus is involved, one should be able to detect it routinely in MS material, but so far this hasn't been possible, perhaps because it's not present in an infectious form," he added.

"Consequently, detecting it requires an analytic approach that is far more sensitive than techniques that have been employed in the past."

Zweerink said that if a link is proven, then scientists can try to determine how certain individuals get multiple sclerosis after exposure to measles and ultimately find ways of preventing or curing it.

Twin brother vital to treatment

(Continued from page 1)

Seattle counterparts have promised free food to the family.

Individuals and church, school and civic groups in the Fayetteville area raised more than \$6,000.

In addition, Vocational Rehabilitation paid the \$1,200 plane fare.

The testing and operations will keep the family in Seattle for six weeks.

While at Duke, Mitchell received chemotherapy treatments. Although seen as a temporary measure, the treatments have helped, Moore said.

The youth has regained some of the weight he had lost since December, and he said his appetite has improved recently.