

Cleveland to retire as University provost

By Virginia K. Sasser

Frederic N. Cleveland will retire from his position as University provost on January 1, 1979. President Terry Sanford, who made the announcement Thursday, has appointed a 22-member committee to find a successor to Cleveland. Marcus Hobbs, a chemistry professor and former Duke provost, heads the committee.

The provost is the chief academic officer of the University, and along with the chancellor and vice president for business and finance, is directly under the president in the University administration.

Cleveland said he is retiring as provost because he wants to leave enough time to catch up in his field and get back to teaching before he reaches retirement age.

"At my age, it's better to make the change now instead of later," said Cleveland.

The provost, age 63, is a political science professor specializing in public administration. The faculty retirement age, according to Cleveland, is 69 or 70 depending on the month of one's birthday. Cleveland plans to return to teaching at Duke in the spring of 1980 after a leave-of-absence.

Listing his accomplishments over the past seven years, Cleveland cited the strengthening of the faculty through the attraction of distinguished faculty members; the merger of the

undergraduate Women's College and Trinity College; the coordination of student services; the strengthening of the forestry school and environmental studies; the development of the graduate school of business; and the expansion of the undergraduate engineering student body.

With financial help from the Duke Endowment, Cleveland said several distinguished faculty members have been attracted to Duke. These members include Ernestine Friedl in anthropology, James David Barber in political science, William Bevan in psychology and Edwin H. Cady in English, he said.

Cleveland said there have been "some improvements in the quality of education over the past seven years." He said the reexamination of the curriculum, begun by the Curriculum Committee of the Undergraduate Faculty Council of Arts and Sciences (UFCAS), is "a very important development."

"These are not things I've personally achieved but that Duke has achieved," said Cleveland.

"The funny thing about this position is that I get involved in a lot of things—none of which I'm solely involved in," he said.

But, according to Cleveland, Duke's academic accomplishments over the past seven years "reflect the things a provost needs to be involved in and give attention to."



Provost Frederic N. Cleveland

Cleveland said that in finding his successor Hobbs' committee needs to "look for someone who can bring strong leadership in the developing of education...and the strengthening of the faculty."

"It is important to have someone with a commitment to a strong liberal arts orientation within Trinity College," Cleveland said.

This commitment should be balanced with the Graduate School and continued excellence in graduate training and research, as well as maintaining the tradition of strong professional schools, he said.

Cleveland said he will have "nothing to do with the selection process." The

University Board of Trustees will make the final selection on his successor.

Cleveland spoke of the "hard decisions private universities face in these times of continued fiscal pressures."

"Universities deal with the problems of improving education at the same time they are dealing with inflation," he said. "We must hold down tuition increases so we can maintain the mix in the student body we think is important."

Cleveland, a 1937 graduate of Trinity College, was on leave from his faculty position at UNC-Chapel Hill, and was serving as research adviser to the National Academy of Public Administration in Washington when he took the position of provost.

"I was very much attracted by the opportunity Duke afforded at this point in time, and I liked the idea of coming back and being associated with Duke," he said.

During his term as provost, Cleveland said he has "managed to teach one course a year" which has "helped me maintain my sanity." He has taught an introductory course in public administration: Political Science 141.

Cleveland said he is "looking forward very eagerly to getting involved in full time teaching."

"Teaching is the most satisfying activity I've ever been engaged in," he said.

The Summer Chronicle

Duke University

Volume 8, Number 2

Tuesday, May 16, 1978

Durham, North Carolina



Photo by Jay Anderson

Union rank-and-file confronted Duke management at the bargaining table yesterday.

Henry W. Newson

Henry W. Newson, a James B. Duke professor of physics, died Sunday night after a short illness. Newson was internationally known as a pioneer in the development of nuclear physics and atomic energy. He had been a faculty member at Duke since 1948.

Newson was a member of the Manhattan Project and present at Stagg Field in Chicago when the first slow chain reaction of Uranium-235 was observed in 1942. He was involved in the development of the first atomic bombs at Los Alamos Scientific Lab in New Mexico during World War II.

The founder and director of Triangle Universities Nuclear Laboratory, Newson was the first scientist to observe neutron disintegration of fission and to predict the discovery of induced radioactivity. He invented the overall control system which continues to be an important facet in the development and use of modern nuclear reactors.

Newson served as a consultant to the Oak Ridge National Laboratory in Tennessee where he was the principle physicist. He was a consultant at the Argonne and Brookhaven National Laboratory and National Academy of Sciences.

He was the recipient of the War Department's Manhattan Project Service Award in 1945.

Newson, 68, is survived by his wife, two daughters and six grandchildren. The Henry Winston Newson Memorial Lectures in Nuclear Physics are being established here. In lieu of flowers, the family asks that contributions be sent to the lecture fund in care of the Department of Physics.

A memorial service will be held at 2 p.m. tomorrow in Duke Chapel.

Union nixes proposed pacts, daily extensions avert strike

By Mark Mirkin

Duke management and Local 465, International Union of Operating Engineers, failed to agree to new contract terms following the expiration of the previous contract Saturday night. The principal negotiators are Bristol Maginnes, director of labor relations for Duke, and Claiborne Ellis, business representative for Local 465.

After several days at the bargaining table, Ellis carried Duke's final offer to a union meeting Saturday afternoon. The 130-count membership of campus maintenance workers rejected the proposals unanimously.

To avert a strike, both sides agreed to a daily extension of the old contract while negotiations continue.

The Saturday vote by union membership followed a rally on the chapel steps at which solidarity hymns were chanted. Ellis, speaking of the 95 per cent membership that gathered to vote, said he had "never seen our people any more disturbed. If we had taken a strike vote, they'd be out walking," he said.

Two years ago, when the last contract was ratified, agreement was reached one hour and 40 minutes before the previous contract expired. This followed 70 hours and 17 meetings at the bargaining table, according to Richard Jackson, Duke's director of personnel.

By noon yesterday no movements toward a resolution of differences had occurred, according to Ellis.

The union is seeking its third contract. Duke, for the first time, brought its proposals to negotiations. Union officials called this a contributing explanation to the discord and delay.

No Duke officials would offer any statements to the press.

Negotiations continue today in 101 Union.



Photo by Anne Newman.

Jim Wrenn's arbitration case is still pending.

SPECTRUM

The N.C. Folklife Festival needs volunteers for a few hours Sat. May 20. Wear work clothes. Meet on Chapel steps, 10 a.m. Call 682-0156.

If you didn't make it to the Summer Chronicle open house Sun. night and are interested in working on the staff, call Ginger at 2363. We need photographers and writers.

If you have two spare hours per week and you enjoy being with children, why not call Valerie Hawkins 684-2915 (477-2880) regarding the child abuse prevention program? We desperately

need sitters for the summer months.

On Wed., May 17, at 9:30 a.m., the KUDZU ALLIANCE/Citizens Against Shearon Harris will conduct a picket line outside the annual stockholders meeting of Carolina Power & Light Co., which is being held in the Civic

Center, to protest the company's plans for extensive development of nuclear power plants in North Carolina. For more information, contact Jim Overton (Chapel Hill) 929-2141 or 929-2142; Melanie Scheller (Durham) 286-4129; Betty Taylor (Raleigh) 833-7700.

Looking for something to do this summer? The UNION is looking for people to help with our summer programming. If you are interested come to an organizational meeting TONIGHT in the Union offices (207 Flowers) at 5 or call 684-2911.

DUKE UNIVERSITY/MEDICAL CENTER PROMOTIONAL OPPORTUNITIES

LOCATION C-Campus MC-Medical Center

ADMINISTRATIVE/PROFESSIONAL:

Assistant Football Coach—C. Coaching & teaching exp. preferred. Min. of Bachelor's degree. Initial preference will be given to those with exp. in coaching men's football teams. (2) positions. P.T.
Physical Therapist—MC. Degree or certificate in Physical Therapy. N.C. physical therapy license. (1) position. \$11,606.
Physician's Associate—MC. Med. knowledge & ability to do accurate physical examinations. (1) position temp. until 12/78. \$13,291.
Administrative Asst.—MC. Knowledge of Medicare regulations with particular emphasis on the End Stage Renal Disease Program. Working knowledge of Medicaid and/or other health care sponsoring agencies. Experience required in processing Medicare and insurance claims, act and/or bookkeeping, patient interviewing, managing or supervising a business office or program, and knowledge of med. term. Ability to interact and solve problems w/both external and internal agencies and depts. Ability to independently initiate and follow up written correspondence. Minimum of two years college education preferred. (1) position. \$10,629.

NURSING—APPLY AT EMPLOYMENT:

Staff Nurse—MC, R.N. Exp. interacting w/Duke's ambulatory & laboratory facilities preferred. One position prefers exp. in physical diagnosis & the ability to run independent clinics. (2) positions. \$5.11.
Physician's Assistant—MC, N.C. license. Prefer exp. in an outpatient setting. Prefer ability to give injections. (1) position P.T. M-F 12-5 & occasional Saturday 8-2. \$2,732.

NURSING SERVICE—APPLY AT NURSING OFFICE:

Head Nurse, Grad. med. nursing preferred for N.C. license. Demonstrated admin. & clin. competence. (3) positions. Medical Specialty, Pediatrics & Ob-Gyn.
Nurse Clinician, Grad. nursing w/in exp. in specialty area. Teaching & admin. exp. preferred. (3) positions. Pediatrics/Cardiology, General Medical & Medical Specialty.
Assistant Head Nurse, RN who has demonstrated clin. competence for delivery of nsg. care & potential for assuming responsibility of Head Nurse. (3) positions. Ob-Gyn (evening), General Surgical & Duke West.
Registered Nurse, Grad. nursing w/in exp. in specialty area. N.C. license. (6) positions.
Licensed Practical Nurse, Grad. of approved practical nsg. program. Received or applied for N.C. license. (8) position. 1st team.
Advanced LPN, Grad. of an accredited practical nsg. ed. program/successful completion of an adv. ed. program at Duke or its affil. Licensed in state of N.C. or verification of application. Two yrs. LPN. (1) position. Operating Room, 32 hrs.
Director of Nursing, MSN preferred in clin. nsg. admin. Three yrs. min. exp. in top-level admin. position. (1) position. Duke North.

Coordinator/Nsg. Policies Procedures & Materials Management, RN w/MSN preferred. (1) position.
Supervisor/Emergency Room (Psychiatry, Ambulatory Care). Grad. of assoc. degree, diploma or Baccalaureate nsg. program. Must be licensed as RN in state of N.C. RN who has demonstrated competence in management of personnel & has exhibited the clin. competence necessary to make sound decisions affecting operational procedures. (3) positions.
Critical Care Coordinator, Baccalaureate required. Master's preferred. Clin. exp. in critical care nsg. required. Teaching exp. in critical care nsg. preferred. (1) position.
Asst. Head Nurse, (5) positions. (2) Ob-Gyn (evening, one FTN), General Surgical, NSU & Duke West II.
Nurse Clinician, (1) position. General Medical/Diabetes.
Head Nurse, (2) positions. Medical Specialty/Rankin & Ob-Gyn/FTN.

TECHNICAL:

Research Technician—MC, B.S. or equiv. exp. Previous exp. preferred w/exposure to biochemical & chemical techniques. Tissue culture exp. preferred on some positions. (4) positions. \$3.95.
Sr. Research Technician—MC, Adv. degree preferred or equiv. exp. in a tissue culture or chemistry lab. (1) position. \$4.69.
Computer Programmer—MC, Programming knowledge of PL-1 & assembler w/exp. extensive electronics background. (1) position. \$5.11.
Medical Technologist—MC, ASCP or eligible or equiv. exp. To work evenings 4-7 & Saturday 9-2. P.T. 15 hrs/wk. (1) position. \$4.31.
Motion Media Producer/Director—MC, Ability to coordinate & participate in the production of motion media for instruction, research, & patient care activities. Exposure to & exp. w/professional motion picture equipment, professional editing equipment & television production preferred. (1) position. \$5.58.
Sr. Research Technician—MC, B.S. in Biological Sciences or equiv. exp. w/additional exp. in medical physiological lab or similar physiology-toxicology research. Animal research involved. (1) position. \$4.69.
E.M. Specialist—MC, Ability to operate & maintain electron microscopy suite. (1) position. \$5.66.
Research Technician—MC, B.S. or equiv. exp. in Chemistry, tissue culture or electron microscopy. (1) position. \$3.95.
Research Technician—MC, Background in Biology-Psychology w/statistics preferred. Experimental psychology is preferable. (1) position. \$3.95.
Sr. Research Technician—MC, Background in Microbiology & Immunology w/exp. w/leukocytes in vitro techniques or tissue culture preferred. Supervisory exp. helpful. (1) position. \$4.69.
Nuclear Medicine Sr. Med. Technologist—MC, Will accept registered Nuclear Medicine Technol. or Medical Technol. Must be ARRT or ASCP or eligible w/RIA exp. (2) positions. \$5.11.
Medical Technician—MC, Prefer previous exp. drawing blood. (2) positions. Part-time, weekends. \$3.73.
Research Technician—MC, B.S. or equiv. exp. Prefer exp. w/tissue cultures. P.T. 4 hrs/day Mon-Fri. (1) position. \$3.95.
Sr. Research Technician—MC, College degree w/course work in Biology Inorganic Chemistry or equiv. exp. Exp. w/mammology techniques & tissue culture. (1) position. \$4.69.
Optical Papameter—MC, Knowledge of and exp. with optical equipment. (1) position. \$4.31.
Sr. Research Tech.—MC, Reg. X-ray tech. Lab. exp. with small animals. Semi-routine skills. Technical exp. in anatomic procedures. (1) position. \$4.69.
Med. Technologist—MC, ASCP or eligible. Prefer exp. in hematology. (1) position 3-11 p.m. \$4.31-\$4.74.
Sr. Medical Technologist—MC, ASCP reg. with previous hematology exp. (2) positions. 3-11 shift. \$5.11.
Med. Technologist—MC, BS degree, ASCP, or equiv. exp. in an immunology lab. (1) pos. \$4.31.
Med. Technologist—MC, ASCP or eligible. (2) positions. \$4.31 non-reg. \$4.53 reg. eligible \$4.74.
Radiology Technologist—MC, Registered or reg. eligible. (2) positions 1-7/7. \$4.31.
Psychology Technician—MC, College degree in Psychology/Sociology or equiv. exp. Previous exp. in adult or children psychology helpful. (1) position. \$3.95.

CLERICAL:

Library Assistant—MC, Typing required. Prefer exp. in library, preferably medical library. Knowledge of med. terminology. Prefer exp. in editing & proof-reading. Organizational skills desirable. (1) position. \$3.73.
Medical Secretary—MC, Prefer exp. w/med. term. & dictaphone. 50 wpm typing. Past patient contact desirable. (3) positions. \$3.73.
Clinic Receptionist—MC, Prefer some typing exp. dealing w/patients & doctors in hospital setting would be helpful. (1) position. \$3.33.
Recorder—C, 40 wpm typing. Prefer exp. w/student registrations & academic records. (2) positions. \$3.53.
Administrative Secretary—C, 50 wpm typing. Perform admin. & secretarial duties. One position offers considerable latitude for exercising judgment & discretion. Supervisor of secretarial pool. (1) position. \$3.73.
Secretary—C, 40 wpm typing. Two positions require dictaphone, one position prefers short-hand, one position 20 hrs/week. \$3.53.
Switchboard Operator—C, Substantial TOL & inward exp. required. (2) positions. \$3.33.
Accounting Clerk—MC, Prefer business school & acting exp. Ability to use tape key adding machine. Typing required. Two positions require 40 wpm typing. (2) positions. \$3.33.
Administrative Secretary—MC, 50 wpm typing. Prefer dictaphone exp. & office managing skills. One position prefers med. terminology & grant bookkeeping exp. (2) positions. \$3.73.
Clinic Assistant—MC, Perform a variety of routine duties in a hospital clinic to assist medical & nsg. staff in the examination & treatment of patients. Past exp. desirable. (2) positions. \$2.67.
Receptionist—MC, Perform a variety of duties for dept. to include mailing, maintain schedules, set up meetings, receiving and directing visitors, and telephone. Prefer receptionist exp. & ability to deal with faculty & staff. (1) position. \$2.87.
Accounting Clerk. Use of typewriter & adding machine required. Must have knowledge of general acctg. procedures. Previous hospital acctg. background desired. Knowledge of research grant codes & billing procedures helpful. One position requires 40 wpm typing. One position prefers med. term. (2) positions. \$3.73.
Sponsored Med. Program Processor—MC, Prefer college degree in sociology or equal work exp., med. term., ability to deal with patients, doctors, and personnel within and out of Med. Ctr. Effectively. Able to pursue and complete work with general supervision. Light typing. Knowledge of state agencies & Medicaid desirable. (1) position. \$3.73.
Medical Records Clerk—MC, Ability to work with charts, numbers, filing & familiarity with office machines. One position will be varied hours (Mon-Wed. 8-5, Sat. & Sun. 7-3:30).
DTO—MC, Must type at least 20 wpm work rotating shifts/working w/DHS. (2) positions. \$3.53.
Secretary—MC, 40 wpm typing. Ten positions prefer dictaphone. One position prefers bookkeeping background. Ten positions prefer med. term. Two positions prefer mag card exp. Two part-time 20 hrs/week. (11) positions. \$3.53.

CRAFTS, TRADES, & SERVICES:

Public Safety Officer-C. Must meet criteria established by the Attorney General of the state of N.C. Rotating shifts. (6) positions. \$3.95.
Trades Helper—MC, Able to assist skilled tradesman & perform semi-skilled duties, installation, maintenance & repair of equipment & bldgs. Excellent trng. opportunity in the crafts area. (1) position. \$3.10.
Medical Lab Clerk—MC, Prefer med-term dictaphone, or some lab clerk exp. but not required. (1) position. \$3.33. Part-time 15 hrs. weekends.
Animal Caretaker—Perform routine tasks to provide for the daily feeding & care of various lab animals. (2) positions. \$3.09 B.U.
Operating Room Tech.—MC, Previous exp. in scrub & circulating position in O.R. (1) position P.T. \$3.73.
Sr. Carpenter—MC, Perform journeyman level carpentry work in the planning, laying out construction, repair & assembly of temporary & permanent building, addition, partitions & structures & fixtures. Provide technical guidance & direction. (1) position. \$3.95.
Insulation Mechanic Sr.—MC, Perform journeyman level work associated w/insulating & cold pipes, ducts & equipment. Turnish time & material take-offs, monitor & inspect work operations & results. (1) position. \$4.69.
Electrician—MC, Install, maintain & repair electrical appliances, systems, facilities & related electronic controls & devices. (1) position. \$3.73.
Courier/Chronicle—C, Driver's license necessary to transport approximately 10,000 copies daily of CHRONICLE. (1) position. \$2.87.
To All Duke Employees: All Duke employees wishing to transfer must have been employed for six (6) months in a position before being eligible to transfer unless special permission is granted by supervisor. Transfer/upgrade request forms are available at the Employee Relations Office/Hospital or 2105 Campus Drive. Any employee wishing to transfer must fill out the transfers for referral to appropriate openings by the Employment Office.

CLASSIFIEDS

For Rent

2 bedrooms in 5 bedroom house from June 1-Aug. 31. \$60 a month plus utilities. Has washing machine. 201 W. Markham. 489-1750, ask for Will.

Announcements

Ga. Tech student on work program needs room to rent from June 17th to Sept. 8th. Send information to Chris Muller, Ga. Tech, P.O. Box 34742, Atlanta, Ga. 30332.

Female student with own transportation to live-in and do child care. Call 489-3937 after 5:00.

For Sale

FOR SALE: Cutlass Supreme, 350 engine, 4 barrel, new radial tires, \$1800 or best offer, Call Randy, 489-3618 after 4:00 p.m.

Help Wanted

WANTED: Occasional evening babysitter for five year old boy. Mostly quiet study time. Call 286-4952.

EXCITING SUMMER JOBS for college students or faculty as counselor/instructors in tennis, woodworking, dance, arts & crafts, riflery/archery. Includes good salary, food, lodging and a fun and rewarding experience. Please write The Summit Camp, Box 100, Cedar Mountain, N.C. 28718, or call Ben Cart, Director, 704/885-2938.

Nine quality old boy seeks monthly day care. 469-5268.

Found items free; lost items only \$1.50.

THE Daily Crossword by N.E. Campbell

ACROSS	28 Embroidery	56 Cause of annoyance	25 Exec.
1 March king	40 holes	26 First-class	27 Coarse file
6 Musical passage	32 Chuck or pot	63 Take a break	29 A Ford
10 Brewing substance	34 Swerved	64 Philippine tribesman	30 Oahu wreath
14 Young eel	38 Naval officer: abbr.	65 Wigwag	31 A Gabor
15 Well-informed	39 Revolution-ary War mercenary	66 Great Lake	33 Loc. intentionally
16 Primates	42 Baseball stat.	67 Bitter drug	35 Fresh-water duck
17 Iron money	43 Go different ways	68 Short jackets	36 Fish-eating birds
18 Wife of a rajah	44 Ulysses or star	69 Await judgment	37 Boy-girl event
19 Certain game	45 Cary	70 Door and auto	40 Corn unit
20 Children's game	47 Nymph of the Rhine	71 Hotbeds	41 Holy lady: abbr.
23 Baseball's Slaughter	50 Otherwise	DOWN	44 Well-filled
24 Fools	51 Sprinkle	1 Feudal slave	46 Resoundings
25 Young salmon	54 Farmer's concern	2 Mixture	48 Wrath
		3 Grape-like	51 Kind of throat, for short.
		4 Peter of pictures	52 In that matter
		56 Burning crime	53 Violin bow respect
		6 Act of respect	7 Colorful fish
		7 Finished	55 Frequently
		8 Deep blue	57 Moslem title
		10 -Mauler (Dempsy) race	58 Lopez theme song
		11 Footless creatures	59 Hopes
		12 Embankment	60 Group of poems
		13 Autocrats	61 Dispatched
		21 Sorrow	62 Rudolf the Nazi
		22 Dining	

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Computer DUCHESS plays champion chess

By Dan Doernberg

The role chess programs have played in the advancement of computer science is somewhat controversial.

To some, computer chess is simply great publicity for the field of artificial intelligence.

There have yet to be any great breakthroughs in the science resulting directly from chess programming. But several of chess's requirements have caused other areas of computer research to be pressed on.

One researcher, Richard Greenblatt of the Massachusetts Institute of Technology, received a \$100,000 grant from the Department of Defense to develop advanced made-for-chess machinery. Wright has speculated that the Department of Defense was interested in relating his work to automated weaponry.

In any case, Greenblatt's computer chess performance was dismal.

Another reason why computer scientists use chess programming is to illustrate the successes they are achieving. Chess, after all, is only a game and therefore less threatening as a demonstration of growing computer prowess. Fears of jobs lost to automation are not as easily precipitated.

Tom Truscott, one of the principal authors of Duke's computer chess program, is convinced that automation will prove beneficial to humankind. Truscott said computers can perform tremendous services by freeing human beings from the drudgery of many occupations and tasks.

Despite initial fears, Truscott sees evidence that Americans have accepted computers' entries into several parts of American life. Computers of one nature or another control ovens, time lights and make airline and hotel reservations.

Ten years ago, in Stanley Kubrick's film 2001: A Space Odyssey, an astronaut received a sarcastic lecture on a just-committed chess blunder from HAL, the film's jealous computer.

Today, though, *Star War's* loveable robot computer C3PO allows himself to be beaten in chess for the good of his comrades.

Whether or not these movies reflect genuinely changing perceptions of computers, chess is obviously a means by which human beings (chess players or not) have measured the advances of computer science and technology.

—Dan Doernberg

Dan Doernberg is a Trinity College sophomore. In this article, Doernberg explores the issue of intelligence in computers. He uses the DUCHESS chess-playing computer program at Duke by way of example.

As the current controversy over IQ scores demonstrates, intelligence is an ambiguous concept nearly impossible to define, let alone measure. The difficulty has been further compounded by the emergence of computers, which beg the question of artificial intelligence.

Even computer scientists find it difficult distinguishing routine churn-out-the-data tasks from those tasks requiring intelligence in making complex decisions. Some computer programmers argue that any program, no matter how simple, has a modicum of intelligence.

If a distinction must be made, the know-it-when-I-see-it principle is resorted to. If the computer performs a task requiring human levels of intelligence, then the computer is in some sense intelligent. The best

For years, skeptics have maintained that the inability of computers to play chess proved computers' lack of intelligence.

example of this kind of task is chess, a game automatically conferring intelligence upon all who play it.

For years, skeptics have maintained that the inability of computers to play chess proved computers' lack of intelligence. DUCHESS is in the process of proving them wrong.

DUCHESS is a chess program written by two Duke graduates, both still working here.

Tom Truscott, now a graduate student in computer science, has been fiddling with computers since he was in high school. His partner in creating DUCHESS was Bruce Wright, a medical center employee whose interest in chess dates back to play on his high school's team.

Influenced by the Fischer-Spassky match in 1972, Truscott and Wright decided as freshmen here to dash off a computer program capable of beating the world's champion chess player.

They were unaware that some of the best computer scientists in the world had been working on chess-playing programs for years. Truscott and Wright started with the fundamentals of the problem, in a sense "re-inventing the wheel."

Truscott and Wright soon found the program far more challenging than they had expected. They worked diligently, researching the problem through the growing body of literature on computer chess. By the time their own program had been through its fourth draft in 1976 it had finished fourth in the annual North American Computer Chess Championships. Truscott and Wright had been at work for four years.

But last year, they completely overhauled their chess-playing program. They were aided by Eric Jansen, another Duke alumnus. DUCHESS, in its

current form, was created.

DUCHESS is now immensely successful. The program was in a tie with Illinois's Northwestern University's program for the recent North American Computer Chess Championships. But it has also placed second overall in the World Computer Chess Championships.

No one in the United States works exclusively on computer chess programs. But a tremendous amount of time and effort has gone into their development during the last 20 years.

Computer chess programs are an ideal way of testing new approaches and techniques in computer science.

One of computer's main limitations have been inadequate representation of the world in such a way allowing computers to analyze and manipulate data. Chess simplifies this problem as the board is easily represented by a matrix of eight units square.

Chess has other qualities that simplify its adaptation to computer play.

- All possible first moves, given a particular position, can be calculated by the machine. Nothing can totally incapacitate the program.
- The rules of chess are well defined.
- By pitting a program against another player, human being or computer, a relative measure of the program's ability — as well as the program's specific weaknesses — is obtained.

Most human beings, when playing chess, do not explore all possible moves and results that may come as consequence to particular moves. Instead, they learn general principles which they then apply to any position they may encounter.

On the other hand, successful computer chess programs quickly but extensively analyze many options available at a particular position.

DUCHESS operates in this manner.

By doing this, a computer takes advantage of its speed of calculation. This may involve calculating a million moves per second, although most computers calculate far fewer moves.

Great improvements in computer's ability to play chess have come about in recent years. Computers now have faster processing times, and their chess-playing programs have also been improved.

At this point, the Northwestern program, named "4.6," plays slightly below the "expert" level established by the United States Chess Federation, the organization of human chess players in this country.

Duke's DUCHESS, perhaps because Duke's computer facility is not quite as swift as Northwestern's, is ranked a shade lower than Northwestern's 4.6. But the last game between 4.6 and DUCHESS for the continental computer championship resulted in a tie.

Both 4.6 and DUCHESS have played in human tournaments. But there have been mixed results. Some players were upset at the thought of facing a computer and therefore played below their ability. But most players have simply reacted to computer chess programs as regular opponents.

Once humans have seen several computer chess games, they are generally able to discern positions in which the computer does not play well and then attempt to direct the computer into its weakest strategies.

Estimates vary as to when computer chess programs will reach the "master" level of play, levels at which computers would challenge the world's best human players. Most computer scientists think this will take between five and ten years. But some are optimistic enough to believe that a breakthrough could come in the next year or so.

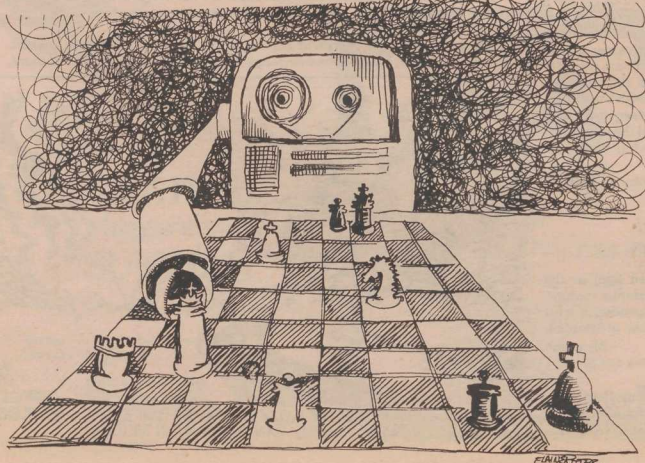
David Levy, a British chess master, confidently predicted just two years ago that a significant breakthrough in chess programming would take at least 25 years.

Levy gained a good deal of notoriety in chess circles for a \$2500 bet he has had standing since 1968 that no computer would beat him in a game played anytime before August, 1978.

Northwestern's 4.6 will probably play that match. Levy's bet is probably safe.

But few chess players expect Levy's bet to be repeated. Both 4.6 and DUCHESS have beaten Levy in speed-chess. This is a variant of chess in which each player must make a great number of moves in a short time.

Naturally, a computer's great speed of calculation offsets to a large extent a person's ability to "get a feel" for the positions as the game proceeds.



The Summer Chronicle

Good morning. Today is Tuesday, May 16, 1978.

On this day in 1927, despite the fact that the manufacture and sale of alcoholic beverages were unlawful, the Supreme Court ruled that "bootleggers" must file income tax forms.

On this day in 1929, for the first time in the history of the film industry, the Academy of Motion Picture Arts and Sciences awarded its "Oscars" to actors, directors and films making the most distinguished contributions to the industry in the 1927-28 season.

The Summer Chronicle gives the University Traffic Commission the Best Actor award for the 1977-78 season. For its proposed parking gates, more expensive tickets, higher registration fees, and more extensive towing, the Traffic Commission has shown itself to be receptive to the needs of Duke students, faculty and personnel.

However, may we suggest that in its future deliberations the commission consider either the Supreme Court "bootlegger" decision or the Twenty-first Amendment to the U.S. Constitution. Enforcing 'bad laws' is almost impossible unless you get to the root of the problem. Advocating more parking places, more bicycles or better mass transportation, this is The Summer Chronicle, Duke's summer weekly. Best Actor in a Supporting Role: 684-2663; Best Picture: 684-3811.

Letters

Self-help

To the edit council:

I would like to thank Karen Dunn and the Chronicle staff for taking an interest in my involvement with local community groups seeking solutions to the problems of inflating food and energy prices as a result of wasteful uses of our limited natural resources.

The people in this area developing local farmers' markets, investigating biological pest control, demonstrating renewable energy resources and energy conservation technologies and organizing and operating co-operatives for the distribution of food and health services represent a growing global trend in locally directed self-help development. I discovered this trend traveling cross-country by bus after being made to realize our dangerous over-dependence on foreign energy resources and its unhealthy effect on peoples of the developing world.

Should anyone wish to explore these encouraging developments elsewhere (like near home) I recommend ordering *Appropriate Technology — a Directory of Activities and Projects* available for \$2.25 from Superintendent of Documents, U.S. Government Printing Office, Washington, D.C. This will give you some good leads to begin learning what's going on world wide.

If any of you turn up anything particularly exciting I'd appreciate it if you'd drop me a card about it. I'm listed in the Duke Directory in the employee section.

Graduating from Duke three years ago I rushed into the "real" world clutching my sheepskin and relaxed liberal idealism only to become a motel maid! But take heart, it's a rough world out here sometimes, but interesting. Good luck all!

Tom Campbell '75
P.S. For annotated bibliographies, guides to technical articles, computer sizing services and locally focused newsletters on solar energy write for information to the National Solar Heating and Cooling Information Center, P.O. Box 1607, Rockville, Md. 20850. This is a service of the Depts. of Housing and Urban Development and Energy.

Unions

To the edit council:

Under every situation, you will have good points and bad points of view. Granted, Duke employees don't really need a union. I have been reading the *Union Organizer*, openmindedly, yet I have failed to see the importance of the union. The union accuses Duke of many

things that even I feel is unfair, nevertheless, people being people, and not programmed computers will make errors.

Personally, Duke benefits are good considering the alternatives, and for what Duke's institutional standings. No place can nor ever will be a paradise to work; union or not. Unionization will destroy the day-to-day benefits that new employees now enjoy. Granted, the pay could be better for certain positions, but I don't need a union to arbitrate on my behalf for a raise, or a promotion, or anything that we as a working people can do for ourselves. Maybe not with the dramatics that the union could, but with the same "clout." We as individuals, by taking the direct methods of communications can accomplish the same goals only in a little less confusion. Go to your supervisors, in a good manner, not a demanding way, giving them an ultimatum. It is time for people to face the issues and resolve them, and I for one believe wholeheartedly, that it can be done. The problem with us is "time is of the essence." We want it today and not being patient enough to see our results. We want to get high pay and in return give a poor performance of work. We like to consider ourselves as being smart by dodging work and we label this as "gettin' over." Yet we like to run to the union board and scream bloody murder. The supervisor is mistreating us. I'm not saying that some properly don't do this, but some of us put ourselves in this situation. The union has never told the people since I've been here at Duke just how much are their union dues, and what are the organization's assets, and total intake for each member per annum (sic). I feel that if I've got to pay you to get me a raise, then I am defeating my own purpose, am I not? Duke and the Union needs to stop holding cards out of another deck, yet they both are trying to make the employees feel that they are playing with a full one. Both's decks are full, but of what? Promises, promises? Let us be realistic and tell the people just what is what, and on what terms will this consist.

John H. Gilmore

Pen pal

To whom it may concern:

I am now incarcerated [sic] in the United States Prison Atlanta Georgia and I'm seeking correspondence with any student that would like to establish a pen pal relationship. My name and address are as follows:

Jimmy Reachard
Box pmb 96990
Atlanta, GA 30315

Sexist remark

The Summer Chronicle chides President Sanford for his sexist remark at this year's graduation exercises. Sanford, after conferring the Bachelor of Science in Nursing degree upon the 92 graduates of the School of Nursing, commented that the group "certainly added much to the brightness of this campus."

While it is the opinion of The Summer Chronicle editorial council that Sanford could have made a much more sexist remark if he had really tried, we nonetheless think his remark was reprehensible. Such comments as these perpetuate the "Hanes honey" myth and ignore the academic achievements of the nursing school graduates.

Overcome summer loneliness

Ian Abrams

Editor's note: Ian Abrams is a 1977 graduate of Trinity College. He is currently employed at the Medical Center Library.

Graduation has come and gone, and like the black-gowned pods of some immense daffodil, the grads have scattered to the four corners of the ecosystem. Preceding them were the undergrads, racing back to their parents, hometown honeys, and hanging around the bowling alley. Who does that leave? Why, it leaves us.

And who are we? We, for the most part, are people who are either taking courses in summer school or are working on campus. And what are we? Well, we're hot, we're damp, we're probably bored, and we're almost certainly lonely.

The first two of these can be attributed to the weather (Overheard in the library: "If I wanted to live in a rain forest I'd go to Brazil"), but the third is due entirely to ourselves. It's almost a tradition: summers at Duke are generally boring and lonely.

Why, you ask? (Go ahead and ask — I dare you.) The main problem with summers here is that they don't last long enough. People who are miserable for two weeks and can look forward to another four years of it may be desperate enough to do something. But some poor slob who knows he's leaving in another two weeks may well figure, well, what the hell, I'll watch the reruns and take Valium.

Now, when you take this attitude and multiply it by two-thirds of the summer populace, you can see that we have an unhealthy situation. And the problem is exacerbated by the remaining third — these are the folks, you see, who aren't lonely. They're easy to spot. They travel in pairs, tend to touch a lot, and sway towards each other when they walk.

The presence of Group B adds greatly to the misery of Group A. It shows them what they're missing, in graphic and unarguable terms. And, as for Group B, well, if you were happy but surrounded by a roiling sea of misery, wouldn't it kind of take the edge off your bliss?

I would like to take this opportunity to suggest to all of you, be you in Group A or (lucky devil) B, that you be aware of the situation. Do something about it. If you personally are lonely, don't spend your time looking for t-shirts that read "Talk to me. I don't bite." Take the initiative. Go up to a total stranger in the Union. Talk to that stranger, Say, "Mmm, boy, that rice pudding sure looks great!" Or, "Hey, did you hear that giant Coypu rats are loose on Main Street?"

And if you're one of the people in Group B — well, there's no sense in talking to you in the singular, since you're undoubtedly reading this together. You, too, can help. Find a lonely person. Tell him, "We know you aren't as happy as we are, but we don't mind. Share our rapture." It's the effort that counts.

Now, don't get the idea that I'm telling you all this for your sake. I'm doing it for me. I have to live here too. I'm a sensitive, shy artist type, and all my friends are either in grad school or Philadelphia. Sometimes both. There's nothing good on t.v., I don't have a car, and I can't even drink without turning green and making fish noises. Talk to me, Please.

But I digress. Getting back to the basic problem, there's a lack of communication between the members of the summer populace, which is all the more unfortunate as it is now more necessary that ever. The situation is probably better for those students in summer school, as they have to read books and things, than it is for the workers. The students who are here working, like me, have nothing to do once five p.m. rolls around. They sit in their rooms and watch t.v., or play with their cats, or take cold showers, or something. Like me, I have a copy of *The Joy of Cooking* and I can't make anything that results in more than one portion. The conversation centers of my brain are beginning to atrophy. People stare at me in the street. I'm starting to look like Rasputin. I am Rasputin. Howdy, Rasputin!

The opinions expressed in this newspaper are not necessarily those of Duke University, its students, its workers, administration or trustees.

Unsigned editorials represent the majority view of the editorial council. Signed editorials, columns and cartoons represent the views of their authors.



Rogers fights for unionization

By Michael C. Jensen

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NEW YORK—Raymond Franklin Rogers, Jr., a burly 33-year-old organizer for the Amalgamated Clothing and Textile Workers Union, and director of its so-called "corporate campaign" to unionize J.P. Stevens & Company, has spent most of his life working behind the scenes.

The days of anonymity are ending, however, a casualty of Rogers' success in tilting with boardroom supporters of J.P. Stevens.

Recently in what was widely regarded on Wall Street as a coup for organized labor, David W. Mitchell, chairman of Avon Products, Inc., resigned from the board of J.P. Stevens.

Earlier, following intense pressure from the union upon the Manufacturers Hanover Corporation, James D. Finley, chairman of J.P. Stevens, and Mitchell said they would leave the bank's board of directors.

Unions coalition

Working with the aid of a coalition of unions, seceded by church and community groups, Rogers hopes to isolate J.P. Stevens from the financial community and force the company to bargain "in good faith" with the unions.

Felix Rohatyn, partner of Lazard Freres & Company and an experienced practitioner in the interlocking world of power politics and big business, called the recent Stevens developments "very significant." Furthermore, he added, their implications deserved serious study and analysis.

Lawrence E. Fouraker, dean of the Graduate School of Business Administration at Harvard, described the campaign as "unfortunate" because, he said, it relied on "adversary" proceedings. Feelings are beginning to rise on all sides of this issue, and it's a troubling one to me," he added.

Other businessmen and financiers deplored what they characterized as the "secondary boycott" nature of the campaign: A focus on the associates of the primary target, rather than on the principal.

Campaign continues

As for Rogers, habitually clad in a lumberjack shirt, tucked away in the basement of one of the textile workers buildings in Manhattan, surrounded by charts, graphs and game plans, he is quietly continuing his campaign and targeting his next objectives.

Obscurity seems to come naturally to the labor organizer. Sixteen years ago, while his football teammates in Beverly, Mass., won headlines, he pluggedy away as an offensive guard (finally winning a small measure of local recognition when he was named the team's "unsung hero").

In 1974, when the Farah Company, a Texas-based men's slacks manufacturer that had employed non-



NYT Photo.

Obscurity seems to come naturally to Raymond F. Rogers Jr., who has been carrying on a union-organizing campaign against J.P. Stevens & Co.

union labor for two years, caved in to union pressure and allowed organizers inside its plants, Rogers' role in the labor victory went unmentioned. He had successfully pressured the merchants in Birmingham, Ala., to stop selling Farah slacks, and the Birmingham boycott later was given partial credit for forcing the Farah settlement.

Ignored by TV

Last year, when pickets and protestors nearly overran the J.P. Stevens annual meeting in Manhattan, the television cameras seldom focused on Rogers' moustached face, even though he had orchestrated the action.

"Frankly, I've never heard of him," Al Zack, chief spokesman for the A.F.L.-C.I.O. in Washington, said when asked about the textile union organizer.

Rogers' strategy for isolating J.P. Stevens from its Wall Street supporters follows this line of reasoning: Stevens should be viewed by the union not as a giant corporation with 83 plants and 44,000 employees, but as 13 men (its board of directors) with widely varying motivations.

One way to influence the company, according to Rogers, is to aim at the so-called outside directors, those with primary affiliations outside the company.

"Outside directors are often a rubber stamp until their self-interest is drawn into it," he said in an interview. "A lot of organizers just want to demonstrate. That's worthless unless you have a strategy and a mechanism that allows your power to grow until you reach your objective."

Weakness to intimidation

The campaign began in earnest last year at the company's annual meeting. "At the 1976 meeting there had been 25 pickets and 12 people inside with proxies," Rogers said. "That wasn't a protest, it was a show of weakness. So in 1977 we had 3,000 to 4,000 pickets outside and over 600 people inside with proxies. Our goal was to intimidate the company the way it had intimidated the workers; to raise the issues; and to display our power to Wall Street so they would know that any institution tied to J.P. Stevens would be held accountable.

The next target was Manufacturers Hanover, with the union organizers flooding the bank-holding company's 1977 annual meeting with spokesmen from

Continued on page 6

Conference studies American family

By Virginia K. Sasser

A conference held at Duke this past weekend to examine the increasing role of government in family life ended Saturday with the conclusion that the family is still the most dependable institution in American society but that twentieth century families face problems in dealing with technology, industry and government.

The two day conference, which attracted approximately 200 people from across North Carolina, was entitled "The Family and the State: Scarce Resources, Shared Responsibilities."

Sara M. Evans, a faculty member from the University of Minnesota's history department, delivered the opening address on the state of the family in the United States.

"The family has changed as American society has changed," Evans said.

According to Evans, "the intense interest and concern now with the inner life of the family" is due to "people searching for ways to revitalize and restructure the family."

"The massive growth of industrial capitalism in the nineteenth century changed family life," said Evans.

The production of goods was moved from the home and put into the factory. The work of women who stayed at home became invisible and was valued less and less, she said.

According to Evans, today's right wing campaigners fighting abortion and gay rights are asking for a return to a traditional family that never existed. They see the traditional family as one in which the father is the patriarch and the mother is the nurturer.

According to Evans, some structural changes are necessary in today's family. We need greater responsiveness from public institutions to private life, and we need a redefinition of work and of male and female desires to work and to raise families, she said.

Elizabeth Friedman, an anthropologist also connected with the Duke Center, said that reformers advocating the relocation of poor families for expressways are "misguided humanitarians."

Highways have been a major reason for urban renewal, said Friedman. Reformers deduce that "bad housing creates bad communities which lead to broken down families," she said.

Friedman focused on the proposed East-West Expressway extension in Durham which would cut through the predominantly black Crest Street community.

Sarah Ramsey, an attorney connected with the Duke Center, said laws are always changing in response to changing values, social and economic conditions.

States are changing laws which were overly intrusive and in many areas government is dictating "less regulations with more emphasis on individual freedom of choice," Ramsey said.

Other events in the two day conference included a panel discussion on family values and economic realities; a community forum to consider problems facing North Carolina families; and an address on policy setting.

The conference was conducted by the Duke Center for the Study of the Family and the State, a division of the Institute of Policy Studies and Public Affairs.

Jane Eason and Marie Hurley contributed to the research and writing of this article.



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HEW to Duke: send affirmative action data

By Mark Mirkin

The Health, Education and Welfare (HEW) Office for Civil Rights in Atlanta has assigned Duke deadlines for reporting data regarding affirmative action employment practices. This resulted from a compliance review conducted here the week of April 3rd.

The Office for Civil Rights is responsible for enforcing Executive Order 11246, as amended, for certain classification of federal contractors and subcontractors, including universities. The Executive order requires that federal contractors not practice discrimination in employment on the basis of race, color, religion, sex,

or national origin, and that they take affirmative action to ensure that individuals are employed and treated without regard to such factors.

Bill Chiappini and Jim Lemon, HEW staff members, directed the review of Duke: a scheduled assignment in a list of federal funds recipients. They established June 2 as the deadline for submission of arranged data including information on the work force by race and sex "within refined organizational categories." July 2 was set as the deadline for more in-depth data collection: training, promotional, and educational opportunity pro-

grams.

In a letter to Joseph Califano, HEW secretary, on February 8, Nathaniel Denison, a black physical plant employee, charged Duke with discriminatory employment practices in the heating plant. He claimed he was discriminated against regarding a promotion to an operator's job for which he was qualified last year. Another black man was promoted instead as a "token," according to Denison. Due to his strike committee activity during 1976 union negotiations, Denison feels he is "a marked man," a contributing factor to his promotion denial, he said.

Because a black man did get the promotion, Chiappini failed to find reason to investigate the Denison allegations further.

Claiborne Ellis, business representative of Local 465, International Union of Operating

Engineers, expressed his displeasure with that finding in a letter to Califano on April 21. He wrote: "This local union wishes to register our strong objections to the manner in which this review was conducted...."

The membership of Local 465 at Duke is appalled that your office, which has so sharply attacked racial discrimination at UNC, could conduct such a superficial and questionable investigation at Duke, which has a notorious reputation among the people of North Carolina for racial discrimination and abuse of labor rights."

Chiappini said that the number of interviews in the Duke review was limited due to the illness of his partner. "When the arranged data comes in next month, we'll be able to focus on it," he said.

Dolores Burke, director of Duke's Equal Opportunity Office, is respon-

sible for submitting the required information. She said affirmative action compliance problems are "really not a big deal at this point. We're certainly not in UNC's situation," she added.

Burke said she wonders why the union did not contact her regarding Denison, as was suggested by the Office of Civil Rights in a letter to Ellis on March 6. Ellis chose not to comment on that point at this time.



Photo by Greg Bertica.

Dolores Burke, director of Duke's Equal Opportunity office, said Duke's problems with affirmative action compliance are "really not a big deal at this point."

Continued from page 5

different unions. Then came a barrage of letters, postcards, and telephone calls to Manufacturers Hanover, and later to Avon. A \$6.5 million pension fund of the Beltmaker's, Novelty and Allied Workers' Union, was pulled out. Other unions also threatened to remove portions of the \$1 billion in union funds reportedly managed by Manufacturers Hanover.

With the pending departure of Finely and Mitchell from the Manufacturers Hanover board, and Mitchell's resignation from the J.P. Stevens board, Rogers has turned his attention to the New York Life Insurance Company and the Seamen's Bank for Savings. The chairmen of both those institutions sit on the J.P. Stevens board, and Finley of J.P. Stevens sits on the New York Life board.

"No institution like J.P. Stevens can exist in a vacuum, and right now they're losing their support," Rogers said.

A native of Beverly, Mass., Rogers was raised in a labor household. His father, a lathe operator, survived a bloody strike at General Electric's former manufacturing plant in Lynn, and his listened to tales of union violence against "scabs."

Artweek

tuesday, may 16

Freewater: *Dirty Harry*. Gross Chemistry Auditorium. 7.9 p.m. Admission \$1.00.
WUNC 91.5 FM: Michael Lorimer, American classical guitarist, compares music for modern classical guitar with that of the baroque guitar compositions. Italian guitarist Oscar Ghiglia and harpichordist Alan Curtis perform music of Couperin.

wednesday

The Raleigh Little Theatre: *Fiddler on the Roof*. 301 Pogue St. 8 p.m. Other performances May 18-20. \$5 adults, \$4 students and seniors (\$2 matinee). Box Office 12-6 p.m. daily 821-3111.

thursday, may 18

D.U. Artists Series: Francis Perry, classical guitarist. East Duke Music Room, 8:15 p.m.

friday, may 19

Benefit performance: George Jessel, Hollywood and New York composers from the Songwriters Hall of Fame. Page Auditorium, 8 p.m.
Pocket Theatre: Celebration of e.e. cummings, 804 Fayetteville St., Durham. 8:30 p.m.

sunday, may 21

N.C. Chamber Conductor Players: Museum of Modern Art, Raleigh. 4 p.m.

On-going events throughout May

"Pencil Works" by Bob Berns, Judy Humphrey, Herb Jackson, Robert Nelson, Richard Stenhouse, Stephanie Cole. Green Hill Art Gallery, 712 Summit Ave., Greensboro. 274-2436.

Southern Education Fund Art Show, St. Joseph's Performing Center, 804 Fayetteville St., Durham. 682-3453.

Durham Art Guild presents its Members show.

Balfour Turner, Watercolors, Paintings, Portraits, Goldsboro Art Center, 106 N. Lionel St. 736-3335.

Robert S. Mayer Memorial Loan. Weatherspoon Art Gallery, UNC Greensboro.

Duke Faculty Art Dept. Retrospective. East Campus Library Book Lovers Room.

"Under the Covers": quilts and coverlets, N.C. Museum of History, Raleigh.

"Acrylics" by Judith A. Leslie. Morehead Planetarium North Gallery, UNC Chapel Hill.

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GREENSBORO COLISEUM

Looking it over

Different shades of Duke blue

Mark Donovan

Times were tough for Bill Foster during the first three years of his tenure at Duke, but once the glory started flowing the tap just wouldn't close. First the Blue Devils shocked the world and Las Vegas by finishing second in the NCAA championships, then Kentucky's own Vince Taylor, one of the premier big guards in the nation, announced his plans to attend Duke in the fall. What more could any man ask?

Well, the National Association of Basketball Coaches co-coach of the year is currently being investigated by the United States Olympic Committee as a potential coach for the U.S. basketball entry at Moscow in 1980, that's what.

With revised selection processes for the 1980 games now being considered, it is possible that as the Olympic coach, Foster would be able to take the nucleus of his own ballclub with him to Moscow, just as Joe B. Hall employed the nucleus of his Kentucky squad in the recent U.S.-U.S.S.R.-Yugoslavia-Cuba exhibition tournament.

That possibility would provide Duke recruiters with an extraordinarily alluring product to sell to top high school prospects next year, a very important year in the on going process of reestablishing Duke as a perennial contender.

Television coverage

Speaking of big things, Foster, who is out of town and unavailable for comment this week, is reportedly trying to work something out with the TVS network's Ed Einhorn who is in charge of NCAA basketball coverage. The effort is aimed at procuring a couple of national broadcast dates for the Blue Devils, and it has an excellent chance of becoming reality.

This Taylor fellow from Tates Creek High in Lexington, Kentucky that everyone's been talking about is a blue chipper in every sense of the word. At 6'5", 195, Vince can't leap tall buildings in a single bound, and he isn't faster than a speeding bullet, but his clippings foresee nothing less than an all-star future for the kid who scored about 30 points a game and is known for his defense.

From the "in case you were wondering but probably not" file: Duke still has not come up with a new swimming coach to replace the departed, but still dear in our hearts, Bill Barton. The Duke athletic council has organized a search committee to find a replacement, but nothing firm has happened. Stay tuned.

While Tom D'Armi and the Duke baseball program made some tremendous progress by winning two ACC tournaments games this spring, D'Armi will not find next year any easier. He has yet to sign a single recruit because of his budget limitations. D'Armi's budget is SO small that not even Johnny Carson and Ed McMahon could come up with a suitable comparison. Once again he will be forced to depend on walk-ons and football players in a conference which condones athletic grants to anyone. Race, creed, color and IQ are no obstacle to most ACC schools in search of a winner.

Back in school

Despite predictions of doom which greeted the announcement of Mike McGee's two year contract extension in December, the Duke football program is doing "right well" these days. Mike Dunn, quarterback extraordinaire, is back in school after a semester hiatus and is ready for a big year in McGee's revamped offense. That new offense will feature two wide receivers, hopefully making the double tight end and slot formations things of the past.

The notoriously lead-footed Duke defensive backfield will receive a booster from a massive infusion of new talent including jaycee transfer Greg Stroud and several freshmen who do the 40 in 4.5 seconds. And those times are legit.

Castor from Cary

One of the other recruits, a wide out named Chris Castor from Cary, North Carolina, exhibited his speed in the state sectional boys championships in Durham on Friday. he took home four trophies including the 100 and 220 yard dashes, the long jump and the triple jump. You got it, this kid can scoot.

While Al Buehler, the Duke track coach, is busy drooling over the thought of Castor running on the track team and

scheming of ways to pry the multi-talented youngster from McGee's iron grasp, some of his former charges are out in the real world trying to make names for themselves.

Robbie Perkins, who closed out his injury-plagued Duke career with a rousing 10,000 meter romp in the ACC championships at Clemson, will run in the IC4A meet at Philadelphia next week. Ellison Goodall, Duke's first and only women's all-america, will try to repeat last year's high finish in Memphis at 3,000 meter also next week.

Belated congratulations to Lyman

Smith, John Patterson, Mike Sandusky and Mike Barney who are all going to get a shot at the big time world of pro football. "Smitty" was a third round draft choice of the Miami Dolphins, and I hope the big man will suck it up and accept having to play in "boring" Dade County.

From the you heard it hear first department: no more speculation, the Chronicle has spoken and ranked Duke the number one team in the nation for the 1978-1979 basketball season. Eat your heart out Basketball Weekly.

...NBA playoffs

Continued from page 8

upset the Spurs and caused critics of "checkbook championships" (George Steinbrenner lovers need not apply) to cheer their upset of the Philadelphia 76'ers.

First finals

The final should be interesting, for both teams have never won a championship series game, Seattle's never been in one and Washington has lost to Milwaukee and Golden State, in 1971 and 75 respectively, by the combined score of 0-8; do I hear someone gasping for air? In my view there are three keys to victory: the importance of Seattle to keep their home court advantage; the match-up of Seattle rookie Jack Sikma and Bullet veteran Wes Unseld and the ever-so important rebounding edge. Though they have the home-court and the "cinderella thesis" working against

them, I pick the Washington Bullets to win the NBA championship and forever dismiss the charge of being losers. Now if Duke could just get that motivational film back in time for football season...

SPORT SHORTS:

—After the 76'ers demise in the playoffs, look for them to trade George McGuiness and Loyd Free to Indiana for the Pacers number one draft pick (the leagues first selection) and that infamous player to be named later. With the pick, Philly will select Phil Ford and next year start Ford, Doug Collins, Dr. J., Darryl Dawkins and Steve Mix.

—After the frustrating end to the New York Knick's season, talk around Madison Square Garden centers around firing rookie coach Willis Reed and hiring New Jersey coach Kevin Lockery. After all, who doesn't want to leave New Jersey?



Photo by Dana Fields.

Lyman Smith, third round draft pick of the Miami Dolphins, will join ex-Dukies Ed Newman and Bob Matheson in Dade County this fall.



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The last lap

An 'Affirmative' vote

Lee Clay

The first Saturday in May is as big a holiday as any in Kentucky. After all, wasn't horse racing invented in Kentucky? It's the climax of the entire racing season, making everything after it seem anticlimactic, even the other two legs of the triple crown, the Belmont Stakes and the Preakness. Usually.

However, in a year which boasts two outstanding three year olds instead of the traditional one like Secretariat, Seattle Slew, or Bold Forbes, the battle for the black-eyed susans will be at least as debatable a race as the run for the roses was at Churchill Downs.

Derby Preps

Affirmed and Alydar. Alydar was the favorite at the Derby because racing buffs liked his winter schedule in the south more than that of Affirmed who ran on the rain-soaked tracks of California. Alydar was supposedly the "come-from-behind" horse who would go the mile and a quarter distance at The Downs.

Both three years old are descendants of Native Dancer, and Alydar is actually Affirmed's uncle. Both were undefeated in 1978 prior to the Derby, but as two year olds, Affirmed beat Alydar in four races. Coupled with his Derby triumph, he has now beaten his forefather five times and has lost to him on two occasions.

The Winner's Edge

While Alydar and Affirmed are generally considered equals, Affirmed beat Alydar in the Derby and will repeat in the Preakness for two reasons: his rider and his trainer.

The jockey, Steve Cauthen, raked in over six million dollars in winnings for his various employers last year, and he's "only" 18. He's done it with winners like Affirmed and virtual unknowns like Johnny D in the Washington, D.C. International.

Cauthen is everything a jockey must be. He's ridden Affirmed as many different ways as the races he's entered and come out on top nearly every time.

Laz Barrera, the trainer, is another reason for Affirmed's edge over Alydar. Barrera was Bold Forbes trainer when he won the Derby in 1976. Since then, Barrera's horses have earned \$2.7 million in 1977 and are over \$1 million ahead of that mark now. Barrera also received the Eclipse Award in 1976 and 1977 as the nation's leading trainer.

The Prophet

Prior to the Derby, Barrera predicted how Affirmed would win the race, taking third early and taking the lead in the stretch. A perfect prediction, except that he felt Alydar would close in faster than he did.

Alydar is a more difficult horse to ride. He has trouble getting out of the gate which put him 17 lengths behind the leader early in the Derby.

Affirmed, on the other hand, is not as difficult a three year old to ride. Cauthen frequently



UPI photo.
Uncles and nephews, some horses have no respect.

whips him in the stretch "to keep his attention" but rarely has to push him.

Consistency is the key word going into the Preakness. Affirmed is the consistent horse with a consistent track record, rider, and trainer. Needless to say, horse racing, like any other sport, is unpredictable, but Affirmed has proven his worth once to those in doubt and will do so again come Saturday.

Perspective on sport

Cinderellas and pumpkins

Charlie O'Shea

The National Basketball Association championship playoffs were supposed to be a rematch of last years exciting battle between Portland and Philadelphia. One month ago, such a prediction would be filed under the "so-what-is-new" material, based on the well known fact that the two teams had the best records during the league's regular season. However, when playoff time rolls around in the NBA, cinderellas magically appear from pumpkins, causing bizarre changes in the seemingly certain playoff predictions.

At the time of this writing, Seattle seems well on their way toward winning the Western Conference finals, setting up a surprising championship series—the Sonics and the Washington Bullets. Both teams were definitive dark-horses in the playoffs and interestingly enough, neither won their division title: the Bullets finished second to the sharp-shooting San

Antonio Spurs and the Sonics (after a 5-17 start) finished third behind last years champs Portland and the Los Angeles Lakers.

Inconsistent performance

Washington and Seattle were not given much chance of playoff success due to inconsistencies in performance and personnel. After a dismal start, the Sonics fired their coach Bob Hopkins and named past NBA all-star and then TV basketball commentator Lenny Wilkins to pilot them for the remainder of the season. Whether he used mirrors, magic or a Mike McGee motivational film, Wilkins transformed his team from also runs into an awesome fast-breaking machine. His two main innovations were to revolve the offense around often-maligned 7'1" rector Marvin "the human eraser" Webster and to use Paul Silas and Freddie Brown as the first two reserves off the bench. After defeating L.A., a team that never really was on track after the Kermit Washington suspension, Seattle found themselves against their Northwest rivals—the Portland Trailblazers. Though forced to play without three top players, Bill Walton, Bobby Gross and Lloyd Neal, the defending champions gave the Sonics all they could handle before bowing out in six games.

The Bullets, following true to form with their city's football franchise (the Redskins) have been called by one NBA follower, "a bunch of old men and inexperienced kids playing for a coach who always chokes in tough games." Be that as it may, the club had a mediocre regular season (finishing four games over .500) and Bullet fans braced themselves for the quick "el-foldo" routine that happens to their team every spring. But through some means of divine intervention (that Mike McGee film really gets around) the club

Continued on page 7

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