

BROOME TECH TODAY



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JUNE - JULY 1970

1350 Students on Campus This Summer

1970 Total Constitutes Record High

Attending college is becoming more and more a year-round effort, and this summer Broome Tech will have about 1350 students enrolled in various courses. That's the most ever.

The summer session has about 1125 taking courses both in the daytime and at night. About 60% of these are enrolled in day courses. The 1125 constitute a record summer-session total.

These are semester length courses, many of which are transferable to other colleges which explains why many Triple Cities residents who attend out-of-town colleges take summer courses at Broome Tech. There are at least 60 colleges accepting transfer credit this year.

In addition, more than 200 full-time students enrolled in the college's electrical, mechanical, and X-ray technology curricula are taking their regularly scheduled summer quarter courses. There are 103 in electrical, 72 mechanical and 31 X-ray, with a total of 119 freshmen and 87 seniors.

The electrical and mechanical students must take the summer term to make up for the time they spend on their jobs in the college's co-operative work program, and the X-ray students spend much of their summer quarter working in X-ray rooms of the participating hospitals.

There are also 18 students enrolled as part-timers in some of the courses for the electrical and mechanical students.

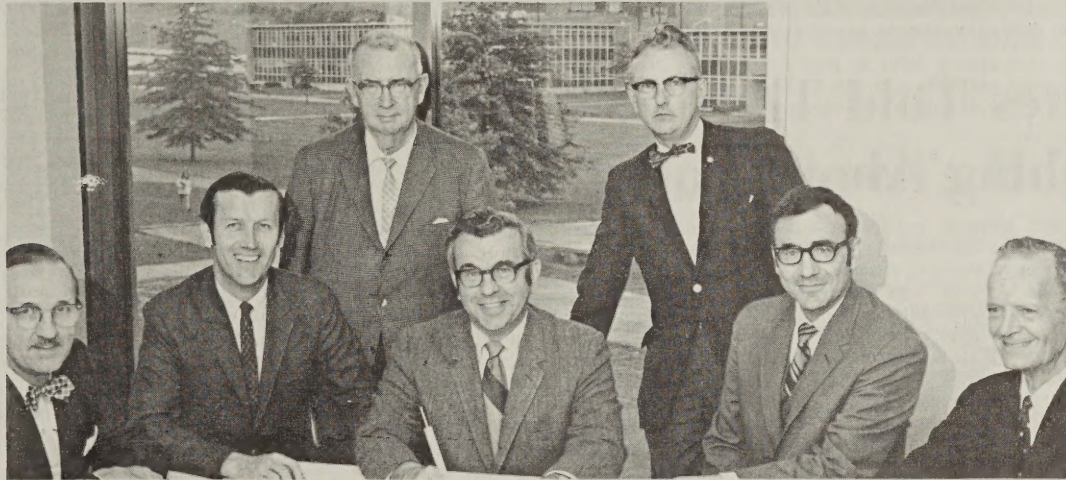
advanced study in mathematics at Central Michigan University.

Those studying at State University Campuses are:

David Kenien, Floyd West, Robert Liddy, Robert Cotton, Kenneth Sanford, Thomas Rossi, Ruth Stratton, Ted Czupryna, Marsha Stock, Teressa Buran and Jack Guillon at State University at Binghamton.

Betty Altenhofen, Carolyn Osgood, Anthony LoTempio at SUNY College at Oneonta; Warren Hoyt at SUNY College at Oswego; David Newton at Cornell of Agriculture.

Those doing graduate work at other campuses are Thomas Crandell at Scranton, Paul O'Donnell at Maryland, Roger Marion at Finger Lakes Institute, Herbert Church-Smith at Millersville (Pa.) State and Harold Sunshine at the U. of California.



Broome County Executive Edwin L. Crawford signing the contract with the architects for the work on the first phase of the campus expansion program. Seated are Earle Ridley, chairman of County Legislature; architect Donald Dickinson; Mr. Crawford; architect Leonard Robilotti; Harold Kinder, chairman of Education Committee of County Legislature. Standing are college President Cecil C. Tyrrell and administrative dean Harvey N. Roehl. (See story at bottom of page)

11 Faculty Receive Federal Grants

Ten faculty members at Broome Tech have received National Science Foundation (NSF) grants this summer, and one has been chosen to teach in East Pakistan as part of a Federal government program.

In addition, 16 others plan to do graduate work in the State University system, and five others will take courses at other campuses.

Robert Reid, a professor in the

electrical technology department, will conduct a seven-week summer science institute for polytechnical (two year college) faculty in Dacca, East Pakistan.

The program is sponsored by the U.S. Agency for International Development (AID)

Robert Forsythe and John Gerty of the engineering science faculty have NSF grants to do research in

the space program in Texas.

Mr. Forsythe will do basic research on the problem of converting carbon dioxide back into breathing oxygen, working at the Manned Spacecraft Center in Houston. Mr. Gerty will be at the University of Texas in a program of dynamical astronomy

Jack Foster and Ted Czupryna, also of the engineering science department, will be at Rensselaer Polytechnic Institute (RPI) to study computer programming and engineering problems

Five others have their NSF grants at Clarkson College of Technology for an eight-week summer institute advanced studies program for two-year college teachers in science, in engineering, and in mathematics.

The five are Stephen Steele, chairman of the civil technology department; Alan Dixon of the electrical technology faculty, Art Stankevitz and James Spalik of the chemical technology department, and William Beston of the engineering science department.

The other NSF grant recipient is Ralph Begeal of the engineering science faculty who will be doing

Expansion Contract Signed

The first phase of Broome Tech's latest expansion program is about to move into high gear, now that the contract has been signed with the architects for about \$5,000,000 worth of work.

This first phase includes:

- Construction of two new buildings, one for the business curriculum and one for physical education.

- Addition to the Student Center
- Site and utility work, including mechanical and electrical utilities for the entire expansion program.

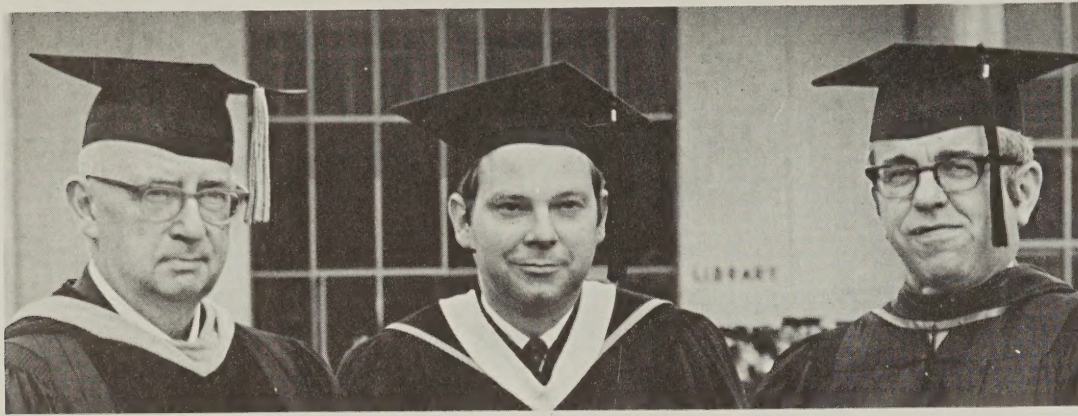
- Roadways, parking, drainage.

- Demolition of most of the county buildings adjacent to the campus.

The demolition will start in July and ground will be broken for the business building late in the fall. The architects, Leonard Robilotti and Donald Dickinson, expect to have the building ready for classes during the fall of 1971.

The entire expansion program carries a \$15,000,000 price tag and will permit the college to accommodate about 3,400 full time day students, an increase of more than 1,300 over last fall's enrollment. The cost is shared equally by Broome County and the state.

Tech Graduates Largest Class; Total Is 22



Broome Tech President Cecil C. Tyrrell, speaker David Comey and County Executive Edwin L. Crawford wait for the commencement exercises to begin.

Class of 1970 Includes a Grandmother

The Class of 1970 is the largest by far in Broome Tech's history, with 728 graduation candidates surpassing by 22 percent the previous high, 597 last year.

In fact, this year's class is larger than the combined total of the college's first six from '49 to '54.

It is a diversified class, with many graduates planning to continue their higher education and many planning to go to work. It contains a grandmother and many mothers, one with six children.

There are a set of twins, two pairs of brothers and a family with two sisters and a brother. The oldest graduate is 54 years old and several others are in their 40's.

Her 2nd Degree

There is also a graduate with a baccalaureate degree, who has changed career objectives. There is a minister, too, and some foreign-born boys.

Mrs. Edna Lockwood is the grandmother, and her son Wayne is on the college faculty in the Business Division. She took nursing.

The nursing program also had Mrs. Grace Officer, who has six children; Mrs. Esther Adams, whose daughter graduated the same night from Wilson Memorial School of Nursing; and the first men to receive their associate degrees—William Mihal and John Way.

There was also Mrs. Diana Celenza, who had previously earned her B.A. Degree from Syracuse University and taught German at Harpur before deciding she would prefer a career in nursing.

From Bermuda

Barry DeCouto's mother and father came from Bermuda, and Joan Jecko's husband came from Long Island to give the invocation and the benediction. He is the vicar of the Church of St. Margaret in Plainview.

Broome Tech faculty members had family representation in the Class of 1970. There were Dick Baldwin's daughter Debbie, Dr. Porter Swift's son Neil, Douglas Rittenhouse's daughter Vivian, and Ruth Stratton's husband William.

The Lehr family of Greene was also well represented, with Michael and his two sisters Ann Louise and Jane. The girls took liberal arts and Michael chemical technology.

There were also the Stalker twins, Marcia in nursing and Mary Lou in secretarial; the Cavanaugh brothers, James in business and Gerald from liberal arts; and the Prentice brothers, Edward and William, both in electrical technology.

Norman Shadduck of the County Legislature had his son and namesake among the graduates, Norman Shadduck, Jr.

Graduates Told They Can Do Something About Pollution

Individuals can do something about the pollution problem facing civilization today, Broome Tech graduates were told during the recent commencement ceremonies.

David D. Comey, who has become an important authority on pollution control, pointed out that individuals must exert self discipline without delay, change their life styles in the not too distant future, and put pressure on the

three primary groups responsible for pollution—industry, legislators and governmental officials.

Mr. Comey was the executive director of the Citizens Committee to Save Cayuga Lake, and he has recently been appointed director of environmental research for Businessmen for the Public Interest (BPI) in Chicago.

Self discipline on the part of the individual includes reading as

much as possible about pollution to become informed on this vital subject. Then effective use of this information must follow, he said.

To prevent adding to water pollution problems, switch to low-phosphate detergents, and don't use pesticides or herbicides and don't pour them down the drain.

Keep your automobile in tune, buy unleaded gasoline and don't burn leaves. Use them for compost or mulch. This will help to check air pollution

Reduce use of paper towels and plastics, boycott non-returnable bottles, avoid plastic garbage bags that are not biodegradable, and save newspapers and corrugated boxes for paper drives to cut down on solid wastes to be disposed of. And above all, don't litter.

Looking ahead, Mr. Comey stressed the dangers of overpopulation. "If our current growth rate were to continue, we would have 700 million people by the year 2060—an ecological disaster," he stated.

Even if families limited themselves to two children each, the nation's population would not stabilize until the year 2050, he said. Voluntary restrictions on the size of families are impractical, so that harsh solutions like an involuntary negative income tax exemption is necessary to make it prohibitively expensive to have more than one child.

Other changes in people's life styles must include making the automobile "a secondary means of transportation." High speed rail travel must replace more highways and jetports, he stressed.

People can exert influence on corporations by writing to the president or to members of his family or to the directors to advise them the company is acting irresponsibly when the firm is polluting the atmosphere. Sometimes officials are actually unaware of it, he said. But they usually will respond to mature and responsible

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Life Begins at 40 For These Graduates

Life can begin at 30 or even 40 for some graduates of the Class of 1970. Among those earning their associate degrees were 30 adults who have been taking courses in the evening through Broome Tech's Division of Continuing Education.

Eight of these 30 are 40 or over and a total of 20 is in the over-30 age category.

Eleanor Wood, who works in the Finance Office at Broome Tech, was the oldest graduate. She is 54

and proud of it, as well as of her academic accomplishment. She took all her courses in the evening and has been attending classes since 1960.

Another of the graduates in this group was Rev. Robert Darling, minister of the United Methodist Church in Vestal.

Six of the group work for IBM, which had more employees earn degrees this year than any other employer.



Dental hygiene graduate Joan Jecko helps her husband Stephen don his cap. He is the vicar of St. Margaret Church in Plainview, L.I., and he delivered the benediction and invocation at the commencement.

% Above Last Year

Paula Serbonich's 3.88

Top 2-Year Average

Paula Serbonich of Endwell had the highest two-year grade point average among the 728 Broome Tech graduates, as she posted a cumulative average of 3.88 out of a possible 4.00. She earned 32 A's

and four B's during her two years of study in the college's dental hygiene curriculum.

Her 3.88 average was barely higher than Deborah Livingston's 3.87. Debbie posted 29 A's and five B's in the college's liberal arts program.

Two other graduates with cumulative averages above 3.80 were Richard Clark of Binghamton and Dennis Noyes of Vestal. Clark had a 3.85 average in the engineering science curriculum, and Noyes' two year record showed a 3.83 average in the accounting program.

Miss Serbonich will work as a dental hygienist with Drs. James and Robert Farrell in Binghamton, while the other three plan to continue their formal education — Miss Livingston at Syracuse University, Clark at Cornell and Noyes at Harpur.

All four were on the President's List for all six terms at Broome Tech. Nancy Simkulet of Binghamton was the only other graduate to earn that honor. She finished with a 3.64 two-year average.

It is interesting to note in this connection that Clark's wife may follow in his footsteps. She is the former Candice Constine, and they married just a week prior to graduation. She was a freshman in the college's dental hygiene program, and she has been on the President's List for the three terms of her freshman year.

A total of 18 students graduated with high honors, a recognition for those whose two years of study earned cumulative averages between 3.50 and 4.00.

The others, in addition to Misses Serbonich, Livingston and Simkulet and Messrs. Clark and Noyes, were: Caryl Bors, Sharon Fenner, Thomas Fink, Fred Haacker, William Johnston, Kathleen Kaschak, David Korinek, Patricia Petkash, Linda Pratt, Eileen Skapik, George Totten, Gordon VanNamee, Mary Walter.

Over Half Of Grads In Business, LA

The largest percentage of students in the Class of 1970 at Broome Tech were in the college's business and liberal arts programs. The 229 graduation candidates in the business curricula constitute about 31 percent of the 728 total, while the 207 liberal arts candidates represent about 28 percent.

There were about 18 percent in the technical areas and about the same percentage in the health science programs. The 30 who received their associate degrees through the college's Division of Continuing Education evening program were about 4 percent of the total.

Here is the curriculum breakdown of the graduating class:

Business . . .	229
Accounting	128
Secretarial	54
Business Admin.	47
Liberal Arts . . .	207
Technical Areas . . .	132
Chemical Tech.	14
Civil Tech.	23
Electrical Tech.	36
Mechanical Tech.	38
Engineering Science	21
Health Sciences . . .	130
Dental Hygiene	33
Environmental Health	7
Medical Lab. Tech.	15
Medical Office Asst.	14
Nursing	47
X-ray Tech.	14
Evening . . .	30
Total	728



Paula Serbonich and Deborah Livingston, the top two students in the Class of 1970. Paula had a two-year average of 3.88 and Debbie 3.87 out of a possible 4.00. They are dental hygiene and liberal arts students, respectively.

Tyrrell's Remarks Aim To Close Generation Gap

Broome Tech President Cecil C. Tyrrell gave graduates some thoughts aimed at bridging the generation gap in his remarks at the recent commencement exercises.

Mr. Tyrrell quoted from a speech by Penn State President Eric Walker, "because it so well

states the case for my generation and at the same time offers you the challenge to do better than we have." Mr. Walker cited some facts collected by Bergen Evans, an educator from Northwestern University and a radio performer of some years ago.

It was noted that the parents and grandparents of today's graduates have done much in the last five decades from 1919 to 1969. They have:

- Increased life expectancy by fifty percent.
- Cut the work by a third while doubling per capita output.
- Made a healthier world and practically eliminated the threat of epidemics.
- Lived through the great depression, and thus sought a better life for this generation. Hence "you are the tallest, healthiest, brightest and probably best-looking generation."
- Been materialistic, and as a result "you will work fewer hours, learn more, have more leisure time, travel to more distant places."
- Fought man's grisliest war and had the compassion to spend billions to help the former enemies rebuild their homelands.
- Built thousands of schools and made higher education a real possibility for millions.

... Pollution

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criticism.

Legislators are also responsive to letters from their constituents, despite opinion to the contrary. And officials of governmental agencies tend to become too close to the industries they are supposed to regulate.

If one doesn't want to act as an individual in putting pressure on industry, legislators and government officials, he said that the same results can be accomplished, and perhaps more effectively, by joining local organizations that can act on your behalf. These organizations need contributions of time and money to increase their effectiveness.

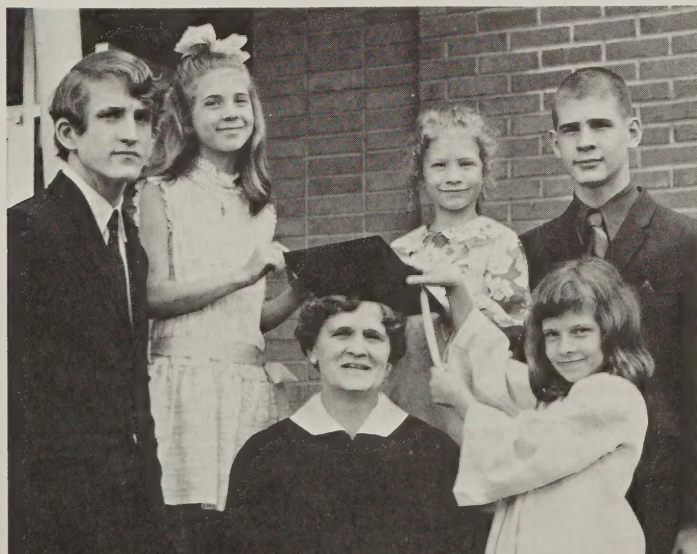
These are some of the "ways in which you can proceed without taking to the streets and indulging in name-calling," he said. "Personal action, based on good taste and laced with a sense of humor, will do the job far more effectively than mass demonstrations led by shrill activists."

In conclusion, Mr. Comey noted that we should "not delude ourselves into thinking that the challenge can be met by the traditional American approach of more and superior technology." Survival in this ecological crisis calls for harsh measures, and he questioned whether the graduates are prepared to meet the challenge that "I assure you is there."

"They have not yet found an alternative for war. Nor for racial hatred. Perhaps you, the members of the graduating class, will perfect the social mechanisms . . . so that the earth will no longer need police to enforce the laws, nor armies to prevent some men from trespassing against others.

"If your generation can make as much progress in as many areas as these two generations have, you should be able to solve a good many of the world's remaining ills."

Mrs. Grace Officer is a proud mother and graduate, as she poses with five of her six children. The children look pretty proud too.



2 Tech Alumni Near Doctorate

Two Broome Tech graduates are working for their doctorates at the University of Pittsburgh — Robert Capwell (CH-61) in physical chemistry and Ronald Wilkes (LA-65) in psychology.

Capwell, who expects to receive his degree in August, has his B.S. in chemistry from Ohio State and his M.S. in physical chemistry from Penn State. Then he worked for Gulf Research and Development for three years before entering Pitt two years ago.

Wilkes was 28 when he entered Broome Tech, and then he earned his A.B. at Syracuse and his M.A. in educational psychology at Pitt.

He is working in Pittsburgh on the desegregation problem in Detroit. He travels to Detroit for his information and then returns to Pittsburgh to feed his findings into the computer for analysis.

This spring he delivered a paper at the annual convention of the Eastern Psychological Association on "The Impact of Evaluative Feedback on Program Management." Not bad for a fellow who never graduated from high school, as he entered Broome Tech by passing an equivalency test.

Medical Society Honors Tech



President Cecil O. Tyrrell (left) accepts the Broome County Medical Society annual service award from Dr. Dominick Artuso, as the college was honored "for its outstanding contributions to the health of the community" in recognition of the health science programs that prepare many graduates to work in the community's health facilities.

CAMS Gives \$1,200 to Foundation

A \$1,200 donation has been given to the Broome Tech Foundation by the Collegiate Administration Society (CAMS), a student organization formerly known as the Business Club.

The money has been earmarked for the Walter Tedick Memorial Scholarships, with the conditions that no recipient receive more than \$200 and that he or she be a business student.

The scholarships were named in honor of the late Walter Tedick, who was on the business division faculty for 19 years before he died of lung cancer in December.

Most of the money was raised by selling advertising for the basketball program for the Turkey Trot basketball round-robin last Thanksgiving.

Peace Movement at Broome Tech Orderly, Non-Violent

Students at Broome Tech became involved in the nationwide student peace movement in May, but without any of the violence or destruction that accompanied many of the nation's campus demonstrations.

The effort at Broome Tech was marked by orderly conduct and a positive approach, as the student Action Committee worked in close cooperation with the college's administration.

The significant events on campus were:

- A convocation in the gym on Thursday morning, May 14, to explain to the students about a referendum that afternoon to determine if the majority of students favored redirecting all classroom time on

Friday to a discussion of the United States foreign policy and military intervention in Southeast Asia. An optional such redirection would be continued on Monday and Tuesday, depending on a vote of the students in each class on those days.

About 1,100 students turned out for the convocation, and the student vote in favor of the referendum was 935 to 206. Faculty members also voted for the redirection by a 54 to 35 vote.

- Classes were held on Friday, as there had never been a suggestion to close the school. Students and faculty agreed it was unfortunate that the word 'strike' had been used. But instead of academic affairs, the class time was spent on

discussion of the Vietnam situation.

- A late-afternoon convocation in the gym on Friday brought out about a dozen speakers and about 150 students and faculty members.

- A noon service on Monday on the Quad for the four slain Kent State students.

- Quite a few students marched in the Peace March in the community on Saturday, May 15, and a few went to Albany for the march there on May 20.

Monday and Tuesday classes were held as usual, with most of them returning to academic pursuits—but only after a vote of the students at the beginning of the class, as per the referendum agreement.

The student Action Committee

also agreed to have four nights of speeches on different phases of the Vietnamese War from May 25-28 in Titchener Hall. The speakers included clergymen, politicians and faculty members.

The student Action Committee also did a fine job of turning out mimeographed sheets daily to keep students and faculty informed of developments and to keep the lines of communication open. This helped to keep things orderly.

It should also be stressed again that there was a most positive approach to the students' efforts, and never was there an attempt to close the school or engage in violence. As one faculty member summed it up, "The students were not interested in destruction, they were interested in discussion."