Challenge Sought in Great Outdoors

Faced with the all-consuming necessity to escape the urban environment, many students seek solace and challenge in the great outdoors. Ma Tech pits man against man, and man against himself. In nature students do not compete for the high grade, struggle to stay afloat, or compete with others. Survival in nature forces each person to conquer new worlds on his own for himself. The contest with nature renews the spirit to go back and compete.

TOP, LEFT TO RIGHT: Whitewater on the Chattooga. Summer ORGT trip to the Grand Canyon.
BOTTOM, LEFT TO RIGHT: Sailing club on Lake Lanier. ORGT snowshoeing hike. Early morning tubing down the Chattahoochee.

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Diversions Are a Welcomed Excuse

Among the many talents possessed by the Tech student is the innate skill of finding something to do, thus putting off something that must get done, diversion is always right around the corner. Much of the energy used to avoid schoolwork is tapped by campus organizations.

These groups range from religious to ethnic, from professional to adventurous, and offer something for everyone. The reasons that people join are as numerous as the clubs themselves. Meeting new people, creating new interests, and shirking scholarly commitments are just a few, and the fact that it always looks good on the resume never stopped anyone from joining either. More than just a reason to add to the large collection of t-shirts that Tech students seem to own, it gives the student a chance to form affiliations.

Without organizations, a Tech student's life would merely be a transition from one exam to the next. As a diversion from the grind of class, organizations play a dual role; they are an excuse not to do work and are the scapegoat for the work not getting done.

TOP, LEFT TO RIGHT: Michael Alesandro serenades students during Tuesday Happenings. S.G.A. President Steve Callaghan builds winning sand castle during Homecoming festivities. BOTTOM, LEFT TO RIGHT: Activities Days give organizations a chance to display their options. Co-op member plays for high stakes at Monte Carlo Night during the summer. The American Society of Civil Engineers show group spirit and school enthusiasm with Homecoming display.
Groups Establish and Maintain Traditions

Special organizations at Tech provide an outlet for those students who want to actively participate in the life of the Institute and maintain its traditions. The Reck Club boosts student spirit through pep rallies, parades, and other similar events. The Chorale and DramaTech lend something of a cultural atmosphere to an otherwise technical institution. The band provides irreplaceable support for student spirit, and the football games would not be the same without "The Ramblin' Reck." The Student Center houses the Program Board which is responsible for many of the campuswide activities such as Homecoming, movies, and Tuesday happenings. These organizations are open to any interested student, and allow them a role in guiding the activities of Tech. It is due to these organizations that Tech has its traditions and through their functioning that these traditions build the future.

TOP, LEFT TO RIGHT: Chorale entertains spectators at Homecoming half time show. Guitarist jams during Tuesday happening on the Student Center steps. A tense moment during DramaTech's fall quarter production of "The Desperate Hours".

BOTTOM, LEFT TO RIGHT: Majorettes perform skit during half time extravaganza. Band prepares for touchdown tunes.
AFROTC Integrates Military and Academic Life at Tech

With high hopes for continued growth and success of AFROTC at Georgia Tech, detachment commander Colonel James L. Priest and his staff hosted a New Year's reception for the corps of cadets to kick off the decade of the 80's. The Air Force program, by integrating military and academic life at Tech, proves beneficial to the individual as well as to the school itself.
Alpha Pi Mu, the Industrial Engineering honor society, was established to recognize I.E. students who distinguish themselves in both academic achievement and campus services. It strives to provide fellowship and service for its members as well as opening a channel of communication between I.E. students and faculty.

This year fifty new initiates helped add to the spirit and enthusiasm felt by all Alpha Pi Mu members. In addition to its annual selection of the Industrial Engineering professor and senior of the year, this society also sponsored the Institute’s Engineer in Training review sessions and founded the I.E. Department Curriculum Review Committee. However, to prove that all its activities were not work related, Alpha Pi Mu continued to host such popular social events as the Wine and Cheese party and quarterly Jerry’s Beer Bashes, too. Through both its service and social functions, Alpha Pi Mu is guided by its goals to establish and maintain an amiable relationship between students and faculty.

*TOP, LEFT TO RIGHT:* Cadet Lt. Lewis Ramirez exercises his authority over a patient listener. Cheese and crackers are enjoyed by Teresa Newberry during the fall quarter wine and cheese party.

*BOTTOM, LEFT TO RIGHT:* The “A” Flight division tries to keep their ranks straight as cadet Lt. John Reynolds maintains a watchful eye. Cadet Susan Fulton mentally rehearses future maneuvers. Alpha Pi Mu members enjoy informal socialization.
Alpha Kappa Psi, the oldest and largest business fraternity in the country, emphasizes the professional side of the student. During the past year, the members visited local industries to learn more about current business techniques. Guest speakers from Chrysler, Chevron, and other corporations spoke about managerial, financial, and political-influence problems. The Alpha Kappa Psi members with the majors of IM, ISYE, MSci, and TM are given preferential treatment during interviews. Company representatives interviewed members first, thus giving them a headstart in the job hunting competition.

Even with their professional interests, the members did not forget the camaraderie as band parties helped relieve everyday tensions. The group also visited orphans in numerous foster homes during the valentine season. As the year closed, the organization began plans to buy a house for the ever increasing membership of both male and female business majors.

TOP: Donna Glazer, Dan Armistead, and Mark Mallard join along in the homecoming parade and rally. BOTTOM, LEFT TO RIGHT: Band parties are part of the social scene for members including this coed. Drew Cooper, Denise Fredette, and Mike Moye socialize at Jerry's.
The Alpha Omega chapter of the Alpha Chi Sigma chemistry fraternity is once again alive and kicking. Following a sixteen year absence, this professional organization has once again established itself on the Tech campus.

Traditionally, this fraternity has served as a meeting ground for students, faculty and industry in chemical related fields. Participating in a variety of departmental projects, members discuss their progress with both teachers and possible job recruiters. However, the brothers of Alpha Chi Sigma also enjoy the benefits of a social fraternity. Parties are an important facet of the fraternity and always well enjoyed.
This year the Georgia Tech chapter of the American Society of Civil Engineers hosted the national convention/exposition of the A.S.C.E. For a week during fall quarter they welcomed representatives from schools around the country, who attended to investigate the expanding role of the civil engineer in today’s world.

With the objectives of promoting professionalism and fellowship, the A.S.C.E. sponsored many informative and social activities. A watermelon eating contest quickly got members involved in local activities. They presented a student prepared slide show to the Georgia Chapter of Civil Engineers. Field trips to MARTA construction sites, Duke Power Plant, and the Richard B. Russell Dam connected the theory of the classroom to the reality of the industrial world.

Along with these learning opportunities, social events were hosted like the quarterly drop day attitude adjustment party. An ice skating party and a student-faculty softball game promoted fellowship. A senior reception before graduation completed the social schedule.

TOP: Garry English applies finishing touches on Homecoming display as coed surveys the scene. BOTTOM: Garry Garner, Leah Turner, John Haack, Bill Lunsford and Bill Simmons enjoy the benefits of a social fraternity.
As winner of the outstanding student branch award for the third straight year, the Georgia Tech student branch of the American Institute of Aeronautics and Astronautics has reached its highest membership in Tech history and has embarked upon its most ambitious projects to date. Membership is open to any Tech student with an avid interest in aeronautics or astronautics.

The branch has begun design and construction of a fifty horsepower, five hundred kilogram class airplane with which they intend to set a round-the-world speed record within this class. Pilots, airframe and powerplant mechanics, and individuals with aircraft design experience in industry are among the members of the organization. The branch is also designing an experiment to be launched into earth orbit by the space shuttle as part of NASA's get away special program. Technical presentations from the aerospace industry's top firms have been delivered at AIAA meetings. Examples of the companies represented include General Dynamics, Lockheed, Pratt & Whitney, Delta Air Lines, and Boeing.

A winter quarter wine and cheese party let students, faculty, and members of aerospace firms mix and mingle and get to know one another on an informal basis. A highly active engineering exposure program gave seniors the opportunity to spend a day touring the facilities of an aerospace company to learn about the working world. From scholarship opportunities to softball games and picnics, the Georgia Tech AIAA gives students an opportunity for professional improvement and just plain fun.
With the purpose of giving practical military knowledge to students, the Army ROTC Rangers sponsor and participate in patrolling forays, land navigations, mountain climbing, river rafting, and cliff rapelling. These adventures take members down the Chattahoochee, up Mt. Yoen, and to Forts Gillem and Benning.

For the first time ever, the Rangers were flown by helicopter to Dobbins Air Force Base, then by Caribu to Eglin Air Force Base. There the Rangers parachuted into uncharted territory patrolled and navigated the land in preparation for a mock prisoner snatch.

Willing to help anyone who asks, they have participated in runs for Muscular Dystrophy and Cystic Fibrosis. Running as a unit in full uniform, singing "jodeys" (songs), they attract attention and have been written up in local newspapers for their contributions to these causes.

*TOP, LEFT TO RIGHT: Chapter president Gil Morgan introduces guest speaker. Rangers practice camouflage and tactics.*

*BOTTOM: Members listen as speaker talks.*
New Equipment Expands Range of Call Letters W4AQL

Tech’s farthest reaching letters, besides GT, are W4AQL, the call letters for the Amateur Radio Club. These letters enable members to transmit messages anywhere in the world, to places as remote as Hong Kong and the South Pole. With the recent acquisition of $5,000 from SGA funds and the sale of old equipment, they purchased new equipment.

Twice a year the Radio Club participates in the “Sweepstakes Contest” where they attempt to contact the most people in the US, Canada, and US Possessions, within 24 hours. They communicate in two modes, Voice one weekend, and Morse Code another. They won first place in the Southeastern division for Morse Code, and third for Voice.

The Radio Club also possesses a repeater, a device capable of autopatching. In case of an emergency, they can, through the radio send phone messages. This repeater also serves as a communications link within the I-285 perimeter.

The annual Field Day in June prepares the radio operators for emergency operations that would be needed during a natural disaster. Members use their makeshift set-ups consisting of radios powered by gasoline generators to contact similar operations around the country.

The Radio Club is attempting to raise funds for access to OSCAR (Orbiting Satellite Carrying Radio). The use of this would facilitate communication when the ionosphere is not capable of reflecting a signal. The use of this would spread the word of Tech even farther.
The Arnold Air Society, a professional service organization, honors a select group of AFROTC cadets. In addition to their academic pursuits, members perform many vital service oriented projects such as visits to local orphanages, canned food drives, telethons and blood drives. In addition to this, the society attempts to further unify the corps with special social events. Distinguishable by their blue and gold uniforms, the society exemplifies Air Force pride and honor.

Angel Flight, with membership open to the entire campus, is the sister organization to Arnold Air Society.

Dallas, Texas was the site of this year's National Conclave, which members eagerly attended. The Arnold Air Society aids its members in education, both military and academic, while also giving members a chance to exercise leadership skills.
Leadership and Spirit Bolster Band Performance

The fall football season saw a positive step being taken as the Georgia Tech Band started their year with new uniforms designed by the members themselves. This much needed improvement was achieved with the leadership of former Drum Major Debbie Friedman and the invaluable assistance of Athletic Director Doug Weaver. Exemplifying the traditions of Tech, the band struggled to maintain the spirits of the student body during the often discouraging football games.

Despite the lack of a music school at Tech, a substantial number of high school drum majors and first chairs contributed to the band’s strong performances, as director Ken Durham required over six hours of practice each week preparing for the halftime shows. Yet the total preparation needed for one minute on the field amounts to around ten hours between the students and Durham. The one hour of credit given members barely made up for the time spent, but all the work was rewarded when ABC broadcast the band’s halftime show at the Georgia game. This year’s ensemble was headed by Drum Major David Foote, Captain Chuck Dobbs, and Executive Representative Dan Mitchell. Several solo performances were presented, one example being Scott Keller, who arranged an entire western theme for one of the games and gave a trumpet solo during the show.

One of Tech’s greatest traditions changed hands when the rights to “The Ramblin’ Reck” were bought by ex-Beatle Paul McCartney, but this inconvenience had no effect on the band’s long history of playing the well-known fight song after every Tech point scored. A significant accomplishment of the band was the production of their first album, which was released in early 1980. Mr. Durham expressed the hope that the student body would be responsive to the album sales and that it would turn out to be a success.

Whether during a football game or at any other Tech-related affair, the Yellow Jacket Band never fails to stir the spirits of all loyal Georgia Tech fans.

TOP, LEFT TO RIGHT: The snare drums and xylophone contribute a high stepping beat. Solo trumpeter provides the Grant Field audience with a halftime selection. BOTTOM, LEFT TO RIGHT: Spirit and participation continue from the field into the stands. The bass drums add that familiar harmony to the band’s tempo during halftime festivities. Intense concentration enables band members to put on a good Homecoming show.
The Baptist Student Union sponsors a variety of programs throughout the year. Their ice cream socials introduce “Rats” and anyone else interested to this youth organization. Free square dances are held each quarter. In addition, BSU teams compete both in Tech intramural sports and against Baptist Youth groups from other colleges. Every year this Tech organization battles its counterpart from the University of Georgia in a twenty-four hour basketball marathon to raise money for worldwide missions.

The core of this fast moving and hard working group of individuals is the Baptist student. These active missionaries spread their ideals through sermons, songs, and skits. Revival groups visit churches throughout the United States to lead worship services. Many students act as counselors at summer camps. Others become involved in helping the elderly or underprivileged. Each fall and spring, about 100 students also attend a statewide conference to learn different methods of spreading Christianity and fellowship.

Sermons, Skits and Songs Spread Baptist Ideals

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Over 8,000 copies of the 1980 "Blue-
print" were printed in an effort to keep up
with the increasing demand for the
"South's Finest College Yearbook." Though not professional or even semi-
professional journalists, the staff insti-
tuted several changes attempting to
improve the literary qualities of the book
and to appeal to the Tech population.
Extensive captioning, descriptive folios,
and new opening layout styles accentu-
ated the traditional strongpoints of the
Blueprint.

Inexperience was a mild description of
the section editors. Six out of eight edi-
tors had never faced the agony of 140
page deadlines or the agony of a falling
GPA. Sleep proved a rare commodity
during four deadlines, but layouts always
seemed to look better at 5 o'clock in the
morning anyway. The staff's inexperi-
ence was exceeded only by their sense
of humor, as constant clashes between
the cosmopolitan elite and the redneck
editor provided comic relief during the
seriousness of last minute (pull-it-out-of-
nowhere) deadlines. Plans for a Gucci
cover were soon scrapped because of
printing budget limitations.

Every year the staff attempts to capture
student feelings and actions and put
these into words and pictures. As the
new decade began, the various competi-
tive phases of life at Ma Tech and its
effects on these individuals were empha-
sized. Section editors took the competi-
tion theme literally, however, as each
raced through deadlines to see who
would be the first to go home for quarter
break.

As students flocked to the West stands
in Grant Field to grab the few remaining
yearbooks, the staff hoped their hard
work paid off in a book that would be
remembered beyond spring finals week
and prove its value twenty years from
now in the real world!
Inexperienced Staff Defies Deadline
The outstanding chemical engineers at Tech are recognized by Chi Epsilon Sigma. To join this honor society a senior must attain a 3.4 overall and juniors must have a 3.2 grade point average overall. One must also display leadership abilities and be active in other campus activities. Chi Epsilon Sigma held a seminar to inform ChE students about their opportunities and options in graduate school. They also provided an informal tutoring service for needy ChE students.

Functioning as both a service and social organization, the Fraternity held formal installations both fall and winter quarters. To encourage socialization among members, they hosted many other parties during the year.
Boasting over one hundred members, the Georgia Tech China Club serves as a family for its members away from their homeland. To soften the cultural differences yet retain ethnic individuality they meet to enjoy traditional meals, parties, Chinese movies, picnics, trips, and sporting competitions.

Their primary event every year is the celebration of the Chinese New Year in February. Various students exhibited special skills by performing instrumental solos, Oriental dances, and excerpts from Chinese operas. The Gather Tea Dance and Ribbon Dance were two of the special dances featured by members. After the show, audience and participants alike enjoyed a popular New Year’s Feast.

Although only a one hour class, the Georgia Tech Chorale spends many hours practicing for a variety of musical events presented throughout the year. The major product of fall quarter was "Berlioz Te Deum," a Latin selection integrating both voice and instrumental parts. In conjunction with the Grace Methodist Church Choir, the Tech Chorale presented this lengthy, difficult, and seldom performed orchestration to Tech and the entire Atlanta community.

In addition, this seventy-five member chorus also continues to entertain outside its normal quarterly schedule with special appearances at events such as the 50th reunion of the Tech Class of 1929 and the Faculty Retirement Dinner. From the football field they serenaded the Homecoming audience with the Alma Mater.

The annual "Winterlude" program, presented along with the Jazz Ensemble at the Space Science and Technology Building contrasted the traditional fall program and featured more modern works. Over two hundred people heard Gershwin revisited, "Cabaret" and the current scores of "Kismet" and "Star Trek." During spring break, a tour of Birmingham, Alabama; Laurel, Mississippi; and New Orleans, Louisiana showcased Georgia Tech's Chorale and its talent throughout the Southeast.

The annual Spring Concert with the Atlanta Symphony performed at Grace Methodist Church provided a fitting end to a successful season.

All was not work, however, as chorus members also found time to put together a number of social events, such as the beer and pizza party at the Hideout, to maintain the friendships developed during long hours of practice.

TOP, LEFT TO RIGHT: Director Greg Colson conducts an afternoon rehearsal of the Chorale in the Couch Building. Scott Hoening sings the "Berlioz Te Deum" along with the Grace Methodist Choir. Karen Gay, accompanied by the Atlanta Symphony, sings at the annual Spring Concert. BOTTOM: Tom Blickham practices musical scales in preparation for the winter concert tour.
The Circle K Club, sponsored by the Northside Kiwanis, is constantly striving to help the needs of their fellow man. Proceeds from a miniature golf tournament were donated to the Cystic Fibrosis Fund. Thanksgiving baskets were prepared for the elderly in preparation for the holiday season. The sales of plastic yearbook covers augmented their Helping Fund.

Not all projects involve money, as services also played an important role. There were frequent visits to the Wesley Woods Retirement Home, complete with rounds of cards and sets of bingo. A haunted house thrilled explorers at the Northside Perry Girls' Club. The Battered Women's Home was repaired by the carpentry skills of the members. They shared basic knowledge with students at the Home Park Elementary School by tutoring them in math and reading. As a result of these efforts, the Circle K Club won the "Best Club" and "Best Scrapbook" awards for two of the past three years.
Guided by the goals of promoting the Cooperative program and attending to the needs of co-ops both at Tech and on their work quarter, the Co-op I club opens its doors to any co-op student who is a third quarter Freshman, who has one work quarter behind him, and is in school during the summer and winter.

Two primary social functions included a winter quarter Casino Night and a summer quarter Monte Carlo night. Participants indulged in an evening of mock gambling, and top winners carted away such prizes as tennis racquets, cassette players and portable televisions. The club also perpetuated the enduring tradition of George P. Burdell by his birthday party celebration amid winter cold.

In the realm of community service Co-op I, in conjunction with the S.P.C.A. co-sponsored summer and winter blood drives. In addition, the organization also drives in the annual Soap Box Derby.

Through both these projects and social gatherings to promote good will not only among co-ops, but also among the entire Tech community.

BOTTOM, LEFT TO RIGHT: Bingo and card games entertain residents of Wesley Woods Home. Linda Swisshelm spins the Wheel of Fortune. Ready for take off, Karen Hennessey participates in Monte Carlo Night.
Anyone who is a co-op student, is on campus fall and spring quarters, and has at least one industrial work quarter behind them is qualified to join the ranks of Co-op II Club.

This year they sponsored their seventh annual Road Rally, a race covering anywhere from 70 to 100 miles in Atlanta. Following the provided instructions, drivers attempted to arrive at check points as close to the pre-charted times as possible, forsaking points for times either too slow or too fast. In addition to trophies, winners are given gasoline and auto accessories as prizes.

Several institutions within the Atlanta community benefited from the Co-Op II's continuing tradition of service to others. The United Methodist Children's home was given a needed facelift as members performed necessary construction, painting and barn renovation, and bush planting. They willingly responded to the pleas from the Battered Women's Home to help haul away rubbish and build and paint walls.

While enjoying the comraderie of working on a common cause, they also enjoy each other's company by rafting down the "Hooche", attending Braves games and the annual Spring Picnic.

TOP: Member listens during Thursday night meeting. BOTTOM, LEFT TO RIGHT: David Bridgers, a check point in the road rally. Industrial leader converses with Lisa Gareis.
Roundtable Talks
Technology

About two hundred students, faculty, and industry representatives meet twice a quarter for a session of the Executive Roundtable, an organization unique to Georgia Tech. Meeting to delve deeper into topics on various philosophic and controversial subjects, the members convene over dinner to hear a guest speaker. After dinner they have a chance to ask questions in an open forum. This year's general topic was "Technology," and specific topics such as its progress and its affect on society were reviewed.

This past spring the Student, Faculty, and Industry Convention was held at Calloway Gardens, and it was a learning and expanding experience for those involved.

The Executive Roundtable allows faculty and industry to meet on an informal level with students and allows the student to expand his horizons beyond the classrooms and his peers.
This year, DramaTech continued to enhance its reputation as a growing creative force in the Atlanta community. *Butterflies Are Free*, presented last spring, began the schedule, with the August production of Agatha Christie's *The Hollow* opening the fall. Director Rebecca Dettra made her exit with *The Desperate Hours*, presented in November, while new director David Califf guided the theatre for the first time in the winter production of the highly acclaimed *J.B.*

Backstage, the group continued to expand, both technically and creatively. Continued improvements to the theatre’s technical capabilities increased the air of professionalism in the shows presented, and the addition of workshops in subjects ranging from acting to makeup techniques provided an educational experience for students involved. Throughout the year, DramaTech kept proving that Georgia Tech students are very talented individuals.

*TOP LEFT:* Bill Weatherford and Dawn Schisler showcase acting talents in *The Hollow.* *BOTTOM, LEFT TO RIGHT:* Gordon Hoak leaves Michael Carroll speechless in the fall production of *The Desperate Hours.* Blane Erwin secures a prop in preparation for a show. An exterior sign is lettered by artist Steve Peet.
Talented Thespians Entertain Campus