

BULLETIN BOARD

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November 7, 1968

AGS Gets Arch Supports



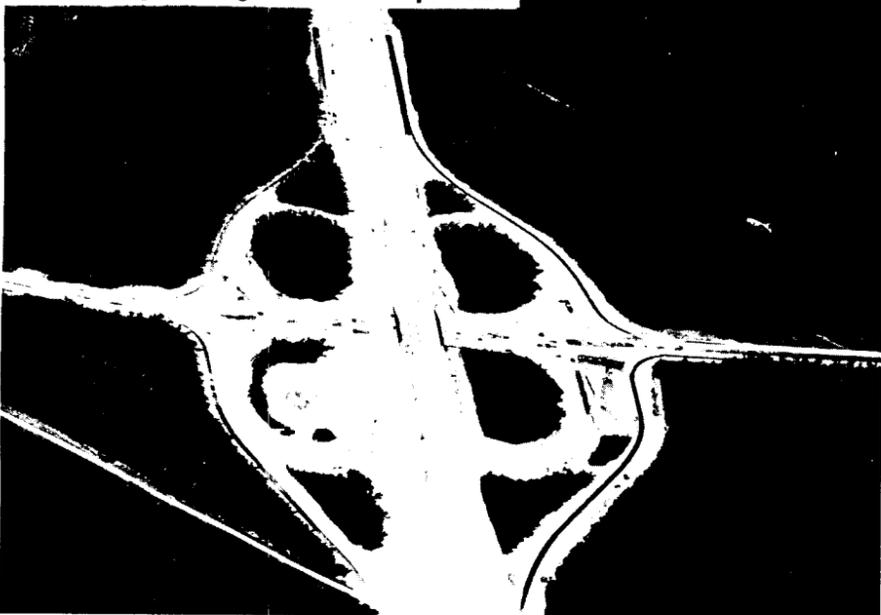
Structural reinforcing for the top of the AGS tunnel is being accomplished by use of Mansard arches which will bear the weight of twelve feet of shielding earth placed over some sections of the AGS ring. The extra shielding will be necessary due to increased beam intensity resulting from the AGS modification program.

Photo by Walton



Workmen fit a section of arch to the roof of the AGS tunnel before adding twelve feet of shielding earth.

Expressway Paving Almost Completed



The Long Island Expressway (from top to bottom) has had most of its surface paved in the stretch running from Medford to Calverton. After a section to the west from Holbrook to Medford is completed, it will be opened for use. William Floyd Parkway runs from left to right, and the old Upton Road entrance to the Lab may be seen running diagonally from left center to center. Present BNL entrance is about one mile north of the expressway.

Photo by Walton

BNL Hi Fi Club To Meet Nov. 13

The BNL HiFi Club held its second meeting on October 30. Widely varied topic discussions covered such subjects as re-recording old Caruso records, electronic music, tape to tape and disc to tape copying, and "watching" one's music on an oscilloscope.

Technical subjects such as FM, FM-TV antennae and their characteristics, solid state vs electronic tubes, pre-amps and amplifiers, etc. will be subjects of ensuing meetings.

A record-tape, tape-tape exchange program is already underway.

A HiFi seminar on Magnetic Tapes will be given by Gary Hughes (AGS) at the next meeting to be held on November 13 in the west conference room of Building T-197 (NED).

U.S. And Japan Meet Here Under New Info Exchange Agreement

The first meeting to be held under the terms of a recent exchange agreement between the U.S. Atomic Energy Commission and the Japanese Atomic Energy Research Institute (JAERI) is currently going on at Brookhaven National Laboratory's new Conference Center.

The agreement calls for the exchange of information between two laboratories, Brookhaven National Laboratory in the U.S. and the Takasaki Radiation Chemistry Research Establishment (TRCRE) in Japan, principally in the area of radiation chemistry. According to B. Manowitz, BNL coordinator for the meeting, the exchange of information specifically involves the radiation synthesis of polyethylene and the chemo-nuclear production of industrial chemical products. BNL is currently installing a chemo-nuclear loop in the graphite reactor.

Representing Japan at the meeting are Messrs. E. Munekata, President of the JAERI; S. Sawayanagi, Director of the TRCRE; T. Kagiya; W. Kawakami; S. Machi; K. Oshima; S. Sato; Y. Takasaka; and M. Takehisa, all of JAERI. Dr. George Vineyard, Deputy Director of BNL, welcomed the visitors to the meeting which began on Wednesday and will end tomorrow. In addition to the Japanese and BNL attendees, a number of U.S. industrial companies sent observers, including Celanese Corporation, Dow Chemical Company, Gulf Oil Company, U.S. Steel Corporation, Allied Chemical Company, and NUMEC.

(see photograph on page 2)

Lecture On Violence By Adam Yarmolinsky

Berkner Hall will be the scene of the Seventh AUI Distinguished Lecture on Thursday, November 7. Professor Adam Yarmolinsky of the Law School of Harvard University will address the Laboratory on the subject of "The Limits of Violence."

A former law clerk with the Supreme Court, former assistant to the Secretary of Defense, advisor to the President's Task Force on the War Against Poverty in 1964, head of the U.S. Mission to the Dominican Republic, a member of numerous Bar Associations, and a member of the Institute of Politics of the John Fitzgerald Kennedy School of Government at Harvard, Professor Yarmolinsky is well qualified to make the statement "The art of government consists of solving problems, not in suppressing them." He is equally well qualified to say "Government must be more than an umpire, but it cannot afford to become an antagonist."

The subject Professor Yarmolinsky has chosen to develop for the Brookhaven audience is a most timely one and of vital interest to every American.

The lecture will begin promptly at 8:30 p.m. in Berkner Hall. (please note the change in location). There will be no admission tickets.

Wednesday Afternoon Is Ladies Tea Party

The Hospitality Committee's fourth semi-annual tea and sherry party will be held on Wednesday, November 13, from 3 to 6 p.m. at the Brookhaven Center.

American and international delicacies from many of the countries represented at the Laboratory will be served.

Child care will be provided free of charge in the gymnasium, 3 Center Street.

Wives of all employees are invited to attend the tea and sherry party from 3 to 6 p.m. and all women employees from 5 to 6 p.m.

Everyone is welcome. The members of the Hospitality Committee extend an open invitation to each of you and hope to see many of you at the tea.

Siegelman To Be 78th BNL Lecturer

Dr. Harold W. Siegelman, Biology Department, will deliver a lecture entitled "The Bile Pigments of Plants" on Wednesday, November 13. The lecture is scheduled to begin at 8 p.m. and will be presented in Berkner Hall.

A Californian by birth, Dr. Siegelman is also California-educated, receiving his BS in 1942 from the University of California, Berkeley, and his MS and PhD from the University of California, Los Angeles, in 1947 and 1951. Before coming to BNL in 1965, he was associated with the U.S. Department of Agriculture as a Horticulturist and Plant Physiologist. A member of the Sigma Xi and the Phi Sigma, he also holds membership in the American Chemical Society, the Biochemical Society, the American Society of Biological Chemists, the American Society of Plant Physiologists, and the American Institute of Biological Sciences.



H.W. Siegelman

In his lecture on Wednesday evening, Dr. Siegelman will concern himself with his primary interest which is in plant photobiology with emphasis on the chemistry of chromoprotein photoreceptors of plants.

The biologically important photoreceptor molecules are reasonably few in number, according to Dr. Siegelman. The major obvious photochemically active pigment in higher plants is chlorophyll. In many algae, bile pigments serve as the principal light harvesting pigment for photosynthesis. In nearly all plants the pigment phytochrome serves as the photoreceptor for the regulation of plant growth and development.

In 1965, when Dr. Siegelman came to BNL, the structure of the algal bile pigments was unknown. Dr. Siegelman will recount his work in this area and the results of his experimentation which have brought to light the structure and properties of the algal bile pigments.

A buffet supper will be served at the Brookhaven Center before the lecture from 6 to 8 p.m. Reservations should be made in advance by calling Extension 2453 before 5:00 p.m. on November 13. Refreshments will be available in the lobby after the lecture.

Opportunity Is Knocking

An opportunity of a lifetime is being offered by AUI to the sons and daughters of regular BNL employees who began employment no later than January 1, 1968. Scholarships will be awarded to ten secondary school seniors who will be graduated during the current academic year and who will enter college next fall. Each scholarship winner who maintains satisfactory progress toward his or her degree will receive \$900 annually to defray expenses such as tuition, lodging, board, etc.

Application forms and Critical Data Schedules for the 1969 AUI Trustee Scholarships are available at the Office of Scientific Personnel, 40 Brookhaven. The forms must be completed by the applicant and be in the hands of the Education Testing Service before the deadline of November 15.

Selection will be made on the basis of academic excellence, potential and general aptitude for college work as indicated by the Scholastic Aptitude Test and three Achievement Tests of the College Entrance Examination Board.

Japanese Scientists Visit BNL for First Data Exchange Meeting



The team of visiting Japanese scientists representing the Japanese Atomic Energy Research Institute (JAERI) are welcomed by BNL's Deputy Director, Dr. George Vineyard (rear center) upon their arrival at the new Conference Center yesterday. Heading the Japanese team is Dr. E. Munekata (sixth from left), President of JAERI. The three day meeting, which ends tomorrow, is the first under the terms of a recent agreement between the U.S. Atomic Energy Commission and the JAERI, which calls for the exchange of information on radiation chemistry between BNL in the United States and the Takasaki Radiation Chemistry Research Establishment (TRCRE) in Japan. Dr. S. Sawayanagi (fourth from right) is the Director of TRCRE. Others in the photo are Warren Winsche and Bernard Manowitz of the Nuclear Engineering Department.

Photo by Humphrey

Here and There

Dolores del Castillo

Alden D. Hinckley (Biology) participated in the International Biological Program's Tropical Biomed Planning Session held at Ann Arbor, Michigan, October 18-19.

Richard G. Cutler (Biology) presented a paper on "Replication and transcription in *E. coli* synchronized by the stationary phase method" at the Biology Symposium on Control of Molecular Events During the Cell Cycle held at Argonne National Laboratory, October 21-23.

The 21st Annual Meeting of the Gerontological Society was held in Denver, October 31 - November 2. Howard J. Curtis (Biology) presented a paper on "Aging in replicating cell systems *in vivo*" and attended the Council and Committee meeting of the Gerontological Society as Chairman of the Biological Science Section. Richard Cutler presented a paper on "Information flow from DNA via RNA as a function of age in C57 mice."

Leonard Baker (Safety) attended the 1968 National Safety Congress in Chicago, October 28-31, 1968.

Raymond Stoenner and Raymond Davis (both of Chemistry), who will participate in the NASA project to analyze returned lunar samples, attended a simulation and training session for the Preliminary Examination Team at the Lunar Receiving Laboratory in Houston.

Gerhart Friedlander (Chemistry) attended the Oak Ridge Chemistry Division Information Meeting as a member of the Advisory Committee for Chemistry. On October 23-24 he attended the Program Review of the Argonne National Laboratory Chemistry Division.

A paper by Edward Sayre (Chemistry) and Jacqueline Olin of the Smithsonian Institution entitled "The Analysis of English and American Pottery of the American Colonial Period" was presented by Mrs. Olin at the 1968 International Conference on Modern Trends in Activation Analysis in Gaithersburg, Maryland, October 7-11. Pieter Meyers and Edward Sayre were attendees at the meeting.

Francis T. Miles (NED) has recently returned from Vienna where he attended an IAEA meeting in safeguarding reactors.

Melvin Levine (NED) recently attended an LMFBR program plan presentation at Argonne National Laboratory.

Odelli Ozer (NED) attended a Neutron Physics Conference held at Oak Ridge National Laboratory, October 13-15.

Teruaki Fukuda, Takatoshi Etoh, Yukio Imura, Takamasa Miwa, Kunihiro Nakamura, and Masao Yamamoto, all of the Japan Broadcasting Corporation will visit the Laboratory on November 13 to discuss the status and future prospect of nuclear fission.

Alain Michel and J.M. Morelle of Belgonucleaire will visit the Laboratory on November 15 to discuss heat transfer.

Michael C.B. Russell and Leonard A. W. Bedford of Harwell will visit the Laboratory on November 18.

**Latest Dances Shown
On Wednesday Evening**

If you are tired of sitting out the Cha Cha, or stumbling through a waltz; If you would like to stay on the dance floor when the tempo increases; come to the Recreation Building Wednesday night and see how easy it is to learn from an expert teacher. Delicia Kanetis, Member of the Royal Academy of Dance, and another expert will give a demonstration of the latest techniques as taught by the Arthur Murray Studios.

After the free demonstration, registration will be accepted for a 10-week course of instruction which will be held on Wednesdays from 8:30 p.m. to 10:00 p.m. if enough employees register. A fee of \$15.00 per person for the complete course must accompany your registration (cash or check will be accepted).

You may bring your wife, husband, girl or boyfriend, or come alone if you prefer. The class will be organized based on your interest on November 13.

No Movie Tonight

Due to difficulties in scheduling, the movie originally slated for showing tonight has been cancelled.

BULLETIN BOARD

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NORBERT J. DERNBACH
Public Relations Officer

**Letters
To The Editor**

Dear Sir:

The students of Bridgehampton High School would like to thank you and your staff for the enjoyable tour of the Laboratory on October 19.

We sincerely hope that the busy schedule of BNL will allow for future student participation and enlightenment.

The trip was educational and extremely worthwhile in supplementing our day science activities at school.

The staff enthusiastically assisted us in obtaining a better understanding of the scientific world in which we live.

They selflessly gave of themselves to better the scientific knowledge of young people.

Thank you for your hospitality.

Nancy Barbour, Pres.
Student Council

Arrivals & Departures

Arrivals

William D. Allen.....Instr. & HP
Ludvik Burgar.....App. Math.
Warren S. Hirzel.....Physics
John P. McNeil.....Accelerator
Ernest C. Okress.....Accelerator
Angelo Panasci.....Central Shops
Michiko Shibata.....Biology

Departures

Charlotte L. Hering.....Medical
John W. MacCormack.....App. Math.
Ione E. Reinhard.....Fiscal

Service Awards - November 1968

Twenty Year

Brown, Robert M.....Inst. & HP
Farrell, Howard H.....Reactor
Kammerer, Otto F.....NED
Reid, William G.....PEP

Ten Year

Audet, Raymond F.....PEP
Benincassa, Joseph M.....S&M
Bulla, John.....Shops
Foltermann, William A.....Shops
Grahm, Henry C.....Physics
LeDoux, Paul.....ME
Lobe, Harold A.....Accelerator
MacKenzie, Donald R.....NED
Patton, William A.....Accelerator
Quattrocchi, Andrew M.....Accelerator
Quinn, Bruce W.....Purchasing

**Library to Close
Its Front Door**

The front entrance of the Research Library will be closed for a three-month period starting Monday, November 11. The closing has been necessitated by a major moving job going on inside the Library.

Library users are requested to enter the building by way of the north entrance during this closing. It is further requested that the north door of the Technical Section not be used.

The Library staff will appreciate your cooperation during this move.

Coming Attractions

11/7 AUI Distinguished Lecture
Berkner Hall - 8:30 p.m.)
11/13 Hospitality Tea & Sherry Party
(Brookhaven Center - 3-6 p.m.)
11/13 Navy Lecture
(Brookhaven Center - 7:30 p.m.)
11/13 BNL Lecture
(Berkner Hall - 8 p.m.)
11/19 BERA Concert
(Berkner Hall - 8:30 p.m.)
11/20 Navy Lecture
(Brookhaven Center - 7:30 p.m.)
11/21 BERA Movie
(Berkner Hall - 8 p.m.)

Autumn Magic With The Camping Club



BERA's Fall Dance, sponsored by the Camping Club, was well attended last Friday night. With almost continuous dancing music supplied by the Wayne Foster orchestra, the crowd enjoyed everything from the waltz to the Alley Cat.



A surprise hit during the evening was a clarinet solo played by Pieter Meyers of Chemistry. Marilyn and Wayne Foster accompanied him.



Nick Bruno, Plant E&P, and his wife were the winners of the Door Prize, a large bottle of wine.



Among those who enjoyed the evening of dancing were Gerhard Holm, Biology, and his wife Ingrid.



Martin Lee, Accelerator, and his wife won one of the stuffed toys awarded at the dance.



Harvey Bumstead, Accelerator (left) and Elton Tank, Plant E & P (center) hand out one of the prizes to a dance guest. Another member of the Camping Club on the dance committee was Robert Lundgren, Mechanical Engineering, who was busy elsewhere when the above picture was taken.

Photos by Lauber

Dollars and Sense

Leon Meshel

Additional Facts - Sale of Residence by Frank Bloom

Homeowners are aware that the normal upkeep expenses for a personal residence (excluding interest and taxes) are, ordinarily, not deductible for income tax purposes. However, suppose you move into a new residence and have your old house up for sale; does the situation change for tax purposes?

According to recent court decisions, merely offering your vacated home for sale, is enough to convert it into "property held for the production of income." This means that during the period your home is up for sale and you do not occupy it, you can deduct upkeep expenses and take a depreciation deduction. The depreciation deduction will, of course, decrease your basis in the home (for determining any possible gain on sale). However, the depreciation deduction is taken against ordinary income, while the gain will be in the form of capital gain. In addition, if you purchase your new home within the conditions that qualify the gain on the sale of the old home for non-recognition (see Dollars & Sense 8/22/68), you can still take the above described deductions for upkeep costs and for depreciation. To illustrate, let's take a sample situation:

Mr. BNL has acquired and lived in a new residence for six months, while attempting to sell his previous home. He then sells the old home. The basis of the previous home at the time it was put up for sale was \$20,000. The useful life at that date was 20 years. Mr. BNL also incurred upkeep expenses for six months at \$75 per month. Under the new rulings, Mr. BNL has a tax deduction of \$950 computed as follows:

Upkeep - \$75/mo x 6 mos	\$450
Depreciation - \$20,000 ÷ 20 x 1/2 yr	500
	<u>\$950</u>

The taxpayer must keep in mind that upkeep expenses cannot include items already deducted as "fixing-up" expenses or capital expenditures which are added to the basis of the residence.

Bowling News

Irma Carl

At a meeting of the BERA Bowling Board on October 24, Fred Hohmann, the President and Charlie Mengler, the Treasurer, resigned.

Fred is in pursuit of his Masters Degree and his schedule would not allow him to bowl this year. He did get the leagues off to a good start this year. Thank's Fred for a job well done.

Charlie left the Audit Staff for a new job where the money is - Wall Street. The books have been checked and all our money is intact! Thank you Charlie for the good work too.

The new officers for the remainder of the year are Pat Towey, President; Sandy Earle, Vice President; Bob Eberbach, Treasurer; and Irma Carl, Secretary.

Purple League

The author of this section of the Bowling News does not have second sight, just poor handwriting. The Twisters are still in first place but we haven't had the *final round* yet. Vinnie Felice had a 562 series without a single 200 game. Dick Vogt had a 205-545 series, Joe Cuccia a 211 and Bob Watson a 203. The week would not be complete without Joe Scesny's name. I don't think he was trying, but he almost made the tripliate award.

Red League

G. Spira came in with a 242 making a high gross series of 699 and he's now tied with G. McGovern for a 277 hi gross game. C. Buzzeo rolled a 211 and N. Combatti a 209. And guess who's still in first!

Green League

Exots still in the lead.

Pink League

Medigals still up there. The gals seem to be taking turns at 8th place - this week it's the Fiscal Assets who have also held High Team Gross Series of 2344 for the past few weeks.

Remember to turn over your paperwork to Helen Caisey who has taken over Pat's duties as secretary of the Pink League.

Live Model At Camera Club



Shoot A Live Model - With A Camera, That Is

The BNL Camera Club will hold a shooting session with a professionally trained model in the Recreation Hall on Tuesday, November 12, at 7:45 p.m. Backdrops and floodlights will be provided. Bring your cameras and filters appropriate to 3200°K floods. Non-members and guests are cordially invited to participate.

Before the shooting session there will be a brief business meeting. Former members who expect to be members this year and did not show up at the last meeting, are requested to put in an appearance and pay their dues, otherwise their names will be taken off the membership roles.

Photo by Ray Abbott, BNL Camera Club

Lab Pool Opens With New Look

New ticket booth, new paint, new decorations, and new dehumidifiers were only part of the new look on Tuesday evening when the Lab swimming pool reopened for the fall and winter season.

The forty by one hundred foot pool has been completely redecorated, and had a mechanical overhaul during the shut down period that lasted almost ten weeks.

The refinishing job at the pool included new decorations on the walls, new paint in the locker rooms, a new clock, a new color scheme for the pool itself, refinishing of the chairs, new giant beach balls, and many improvements to the filtering system.

The pool is open to Lab employees and their guests every night of the week, Monday thru Friday from 5:15 to 9:30 p.m. While disposable towels are available at the pool, most people prefer to bring their own.

Bathing caps, which must be worn by each girl, are for sale at the ticket counter as are earplugs, noseplugs and combs.

A complete evening of recreation at the pool can include ping pong, diving from one of the two boards or a game of ball in the pool with either the small beach balls or one of the six foot diameter plastic balls.

Paddle boards are available for teaching the youngsters how to swim, and beach chairs are arranged all around the side of the pool for just relaxing. In the smoking area at the shallow end, there are tables and benches to ease the job of watching the small fry.

At all times when the pool is open, Carl Faust and Robert Johnson will be the life guards on duty.

Many new decorations have been added to the pool sides this year, including several large festoons of rainbow colored reeds and grasses. A large octagonal wooden clock is hung on the wall near the diving boards to help keep track of the time.

But best of all, and the real reason for coming to the pool is the water itself. It is clear, clean and refreshing, and will help to bring back memories of pleasant days of summer swimming in the cold months ahead. The temperature is carefully monitored to keep it "just right" and to make for a refreshing and invigorating swim at BNL's junior size Riviera.

Honors for being the first swimmer of the new season go to Y.Y. Chu of Chemistry, who was waiting when the doors opened at 5:15 on Tuesday.

Swim for Health - Fun

Our Swimming Pool is now open on the following temporary evening schedule.

Weekdays 5:15 - 9:30

We expect to complete arrangements very shortly to extend the schedule considerably. As soon as the plans are finalized the following schedule will be immediately effective.

Monday through Friday

12:00 Noon - 3:00 p.m.
5:00 p.m. - 9:30 p.m.

As you know, our Recreation Programs are always dependent on your interest and support. Now is the time for you to show both. Stop by or call the Recreation Office, Ext. 391, and order your season pass. Checks should be made payable to BERA and mailed to the Recreation Office, 3 Center Street. If you are ordering a "Family Ticket," please tell us how many are in your immediate family so that we may issue a pass for each member.

The Fall-Winter-Spring Season will run to June 13, 1969 and the following admission schedule will be effective as of November 5.

Admission:

Daily	- Employee (Family Member)	35¢
	Guest	60¢
Season	- Unlimited Swims	
	Employee	\$10.00
	Family Member	\$10.00
	Family	\$20.00

Guests must accompany the employee who is permitted to bring a maximum of 5 guests per family each visit.

Thesians to Meet

The next regular meeting of the Theatre Group will be held on Tuesday, November 12, at 8:30 p.m. in the theatre. The program for the evening will be a workshop on "Vocal Usage in the Theatre." Prepared dramatic readings and impromptu audience participation of works selected to demonstrate specific techniques, will be the basis for the workshop. Newcomers and visitors are welcome to join us for the evening.

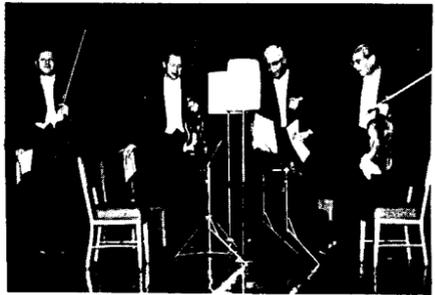
Juilliard Quartet An Artistic Triumph

On Tuesday, October 22, the BERA Concert Group opened its 1968 concert series by presenting the illustrious Juilliard String Quartet.

First on the program was the Haydn Quartet in G Major, op. 76, no. 1. In the style of the period, the work featured a solo melodic line played by the first violinist, accompanied by the three other members of the quartet. All performed with clarity and precision. The Minuet was especially spirited and the 4th movement concluded with some impeccable solo work from the quartet's leader, Robert Mann, and the cellist, Claus Adam.

Following the Haydn was a string quartet in D major by Schoenberg. One of the composer's earliest works (1897), it displayed only hints of his interest in 'klangfarbenmelodie,' an arrangement in which the melody line is distinctly broken up among the various instruments. The melodic lines though characteristically irregular in phrase lengths were still very lyrical and romantic, reminiscent perhaps of Dvorak and at times of Brahms, with the accompaniment figures moving back and forth among the four parts.

The final work of the evening was the Quartet in C Sharp Minor, op. 131 by Beethoven, written in the last years of the composer's life. Here the performers achieved a perfect blend and balance which allowed the unique textures of this string quartet to stand out. The first movement was marked by the growing intensity of the intricate fugal voices and counterpoint. In contrast with the two preceding works on the program all of the instru-



Juilliard Quartet takes their first bow.

ments had important parts, the second violin and the viola frequently carrying the thematic material. The feeling of free fantasy which Beethoven must have intended in this quartet of seven unusual movements was well captured and the smooth flow of the theme and variations continued to build toward the forceful climax of the last section. Outstanding, especially in this piece, was the musicians' precision with dynamic level changes and their attention to subtle, fragmentary restatements of motives.



Record concert audience.

The second concert, on November 19, will feature the Festival Winds, a virtuoso woodwind group consisting of flute, oboe, clarinet and bassoon. They will present an unusually interesting program of great masterworks of the woodwind literature.

All of the concerts will be presented at 8:30 p.m. in the beautiful new Berkner Hall. Season tickets are on sale at \$10.00 for adults and \$5.00 for children. Single tickets may also be purchased for each event at \$3.00 for adults, \$1.50 for children, and \$3.50 for non-employee guests. Season tickets are available from ticket sellers in each department.

Classified Advertisements

Positions Available

MASTER WELDER (LEADMAN) (1) - Central Shops (temporary assignment).
Application Deadline: November 14, 1968.

MASTER WELDER (2) - Central Shops.
Application Deadline: November 14, 1968.

TOOL & INSTRUMENT MAKER (LEADMAN) (1) - Central Shops.

Application Deadline: November 14, 1968.

TOOL & INSTRUMENT MAKER (13) - Central Shops. Application Deadline: November 14, 1968.

Employees interested in applying for above positions should inform their Supervisor and file written request with Employment Office on or before deadline date.

Autos & Auto Supplies

2 SNOW TIRES - 7.75x14, w/w, 3000 mi. \$35. W. Kirk, Ext. 7385, HR3-8339 after 7.

60 CHEVY BISCAYNE - 2 dr, new ring job, new fuel & water pump past 2 yrs. Ext. 7444.

59 HILLMAN MINX - Rusty but many new parts. \$175. Ext. 2853, AT6-0798.

TACHOMETER - Stewart Warner, 6 v, 4 cyl, 0-6000 rpm, elec type. \$20. HR3-7951 & Ext. 7612.

67 CHEVELLE - Auto trans, 6 cyl, 11,500 mi, excel cond. \$1600. J. Whelan, Ext. 2381, JU8-5172.

63 FORD FAIRLANE STATION WAGON - 6 cyl, std shift, good cond. \$350. Ext. 7295, AT6-1169.

TIRES - Pair 6.00x13 w/w snow tires on rims, used 5 mos. \$25. Ken, Ext. 406, 281-3361.

RIMS - Pair 6.00x14, 4 lugs. \$2.50 ea. Ken, Ext. 406, 281-3361.

2-14" FORD RIMS - For tubeless tires. \$2 ea. Ext. 2991.

PAIR SNOW TIRES - 6.00x13, 4-ply on wheels for '60-'64 Falcon, tread still good. \$10. M. Comstock, Ext. 2273.

66 MUSTANG FASTBACK - 289 V8 (200 hp), 3 on the floor. Steve, Ext. 2149.

2 CHEVY RIMS - 15" for snow tires, \$3; 2 Ford rims, 15" for snow tires, \$3. Ed, Ext. 2450.

67 VW CAMPER - Pop up top, 12 volt, good cond, low mileage. 281-3291 after 5:30.

63 AUSTIN HEALY SPRITE - Dk green, blk top, excel cond. Ext. 2840, 924-3581 after 5.

4 WHEELS - 15" Chevrolet. \$2 ea. Bob, Ext. 2450, 289-0357.

66 PONTIAC BONNEVILLE - 4 dr hdt, auto trans, ps/pb, w/w tires, rear speakers, rear window defogger, excel cond. \$2100. Ext. 2184.

64 PLYMOUTH VALIANT CONV - Ext. 7481, 2827, 2783.

2 SNOW TIRES - Sears 7.50x15, used 1 season, \$10 ea; 1 Goodyear 7.50x15 on Rambler rim, brand new, cost \$27 sell \$20. R. Ince, Ext. 2295.

64 FORD CUSTOM - White, 4 dr, std trans, 4 new tires, 6 cyl, excel cond. Asking \$750. Tharp, Ext. 322.

65 MUSTANG - 6 cyl, std trans, 36,000 mi, excel cond. \$1100. 878-1979.

7.75x15 TIRES - Allstate 4 ply nylon, 2 snow, 2 Guardsman in excel cond, on 5 hole rims. \$50. Ext. 2531.

62 JAGUAR MK 2 - 3.8, wire wheels, o/d, white, preserved to like new cond. Ext. 7559, 286-3649.

63 FORD - 2 dr, V8, ps, auto trans, new gen, reg & muffler. \$300. Bob, Ext. 7319, 475-7470.

66 CHEVROLET BEL AIRE - V8, auto trans, r/h, green, beautiful cond. Ernie, Ext. 2934.

67 DODGE DART - 4 dr, 6 cyl, auto trans. \$1395. Herb, Ext. 2934.

BENTLEY - \$2000 firm. Windschauer, Ext. 2218.

62 CHEVROLET IMPALA - Spt coupe, V8, auto trans, new tires & ignition. 929-4809 after 5.

2 SNOW TIRES - 1 season old (5000 mi), Penney's 4 ply 7.75x14. \$20 (1/2 orig cost). Heller, Ext. 2583.

64 FORD FAIRLANE 500 STATION WAGON - V8, auto trans, ps, 4 dr, lt blue, mechanically perfect, new exhaust system. \$895. Ernie, Ext. 2934.

2 SNOW TIRES - 6.70x15 on Rambler rims. \$10. Jack, Ext. 572.

HARDTOP FOR TRIUMPH TR-4 - White fiberglass w/cloth lining, wrap-around rear window, good cond. \$100 or best offer. S. Spark, Ext. 2442, 2727.

67 CORVETTE - 4 spd, 350 hp, posi rear, 2 tops, am/fm radio, pwr windows, transistor ignition, head rests, w/w, 34,000 mi, lyndale blue. \$3600. S. Spark, Ext. 2442, 2727.

65 RAMBLER STATION WAGON - 6 cyl, auto trans, excel cond. \$850. D. Meany, Ext. 2411, 878-2215.

2 SNOW TIRES - Firestone Town & Country, 5.60x15, used 4 mos. \$25. 538-2194 after 5.

61 FORD CONV - 332 cu in, r/h, ps/pb. \$200. H. Bumstead, Ext. 322.

61 PONTIAC CATALINA - 4 dr sedan, auto trans, new battery, recent valve job, good tires, very good cond. \$350. Moragues, Ext. 7644, 7720 after 6.

Boats & Marine Supplies

28' SPORTS FISHERMAN - Head, conv bunks-dinette, sink. \$2000. MO9-2036 after 5.

25' CHRIS CRAFT CAVALIER - 1960, 185 hp, s/s radio, full canvas, fully equipped, very good cond. Asking \$2700. Russell, 588-7309.

15 1/2' PENN YAN FIBERGLASS BOAT - 1967, 50 hp Merc manual start, Mastercraft trailer, all like new. \$1550. 724-0282.

13' MFG RUNABOUT - 40 hp Evinrude, many accessories, trailer incl. AT6-8718.

Miscellaneous

1-SIGNAL GENERATOR - RCA 170KC-50MC; 1 volt-ohm, ser # WV65A, battery operated. J. Mann, Ext. 2221.

LITTLE GIRLS' THINGS - Ballet slippers, size 3, \$2; women's ice skates, size 10, \$5; girls' ice skates, size 3, \$3; Ansco camera w/flash, \$2. Petruk, Ext. 2142.

DBLE BED - Grey finish, bookcase headboard, box spring & mattress. \$25. 929-4472 after 6.

FIREPLACE LOGS - Seasoned oak, 18" long. 12/\$1. YA4-3236.

67 APACHE, BUFFALO - Sleeps 6, w/built-in ice box, cabinets, conv dinette, toilet; canopy, spare tire. G. Stenby, Ext. 2804, GR5-5336.

FENDER - Concert amp, 4 outputs, blk leatherette finish, 4-10" Jansen speakers. \$175. George, Ext. 2912.

GAS CLOTHES DRYER - In "like new" cond, Kenmore, coppertone. Cost \$210, sell for \$125. M. Goldberg, Ext. 7674, 473-9354 eves.

ICE CRUSHER - New, never used, Proctor Silex elec. \$10. Joe, Ext. 7638.

ADORABLE COLLIE PUPPY - AKC male, sable & white. \$35. Nancy, Ext. 2114, AT6-9009.

HO TRACK - Mounted on plastic foam scenery layout w/tunnel. \$9. 924-3124 after 5.

FM TUNER - & 20 watt amplifier, Heath Kit. \$25. 924-3124 after 5.

WASHING MACHINE - Frigidaire auto, good cond. \$45. Ext. 2834.

BABY GERBILS - 7 wks old, bright, healthy, friendly, wonderful pets. \$2 ea. 286-9764.

PAIR GENERATORS - Koehler 5 k.w., single phase, fully auto. \$300 ea. Ext. 2908.

TWIN BED - Trundle bed, both w/springs & mattress & bookcase headboard; matched dressers; dble bed hollywood frame. H.E. Wegner, AT6-8639 after 5.

UPRIGHT PIANO - Fair cond. \$25. EM3-6427 after 6.

WESTINGHOUSE SOLID STATE STEREO - W/2 attaching speakers, exce cond, must sell, \$75; Sears vinyl luggage rack, \$30. 727-8238, 6-8 pm.

OAK FIREPLACE WOOD - You pick up. 1 cord cut/\$35. 929-8159.

WHIRLPOOL PORTABLE DISHWASHER - Ext. 2834.

GE REFRIG - 2 dr, 3 mos old, coppertone, 14 cu ft, sacrifice, must sell. \$150 firm. H. Farrell, Ext. 2552, 588-9548 after 6.

FIREPLACE WOOD - 727-0271, 325-0567.

HOT WATER HEATER - Gas, new, still in crate, 30 gal. Torre, Ext. 423.

CHILD'S ROCKING CHAIR - \$4; blackboard w/stand, \$2; 12" tricycle, \$5; Hallicrafter 4 band receiver, \$30; all very good cond. M. Hilgemeier, Ext. 2871.

POOL - 4'x18', used 2 seasons, comes equipped w/vacuum, skimmer, ladder, filter, dispenser, test kit. \$160. B. DiLello, Ext. 7382.

TRAILER - Utility box trailer, \$50; 5 part block & tackle, 350' rope, like new, \$50. Ext. 7166.

HOOVER CONSTELLATION VACUUM CLEANER - \$15; yellow kitchen step stool, \$6; items used but in very good cond. M. Hilgemeier, Ext. 2871.

14 LOCUST POSTS - & 26-10' rails, 1 yr old. \$50/lot. 732-9384 after 5.

SKI OUTFIT - Compl, incl wood-glass-epoxy Hammer skis, Cobco step-in bindings, Hochland dble boots, size 11, used 2 seasons, excel cond, ideal Christmas gift. \$90 firm. Bates, Ext. 2365, GR5-3574 after 6.

MUST SELL - St Bernard, 1 yr old, male, AKC, champion stock. Best offer. Nancy, Ext. 2114, AT6-9009.

DEEP WELL WATER PUMP - Peerless jet, 1/2 hp. \$25. Torre, Ext. 423.

PLAYPEN - Macys best (net type) w/pad & musical busy box, excel cond. New \$31 +, sell for \$15. Dave, Ext. 2824.

ENGLISH POINTER - Started for field, male, 1 1/2 yrs. GR5-9209 after 6.

PORTABLE STEREO - Voice of Music, all solid state, used only 3 times. \$75. J. Jacobs, Ext. 2955.

CRIB & MATTRESS - Good cond. \$30. Ext. 2853. AT6-0798.

WASHER - Westinghouse front-loading, old motor no good, good for parts. \$5. Ext. 2853, AT6-0798.

FENDER - Jaguar guitar, off-white finish, hand tremlo, w/hard case. \$130. George, Ext. 2912.

KITCHEN LIGHT - Fluorescent, 2 circular bulbs, instant start. \$5. Ext. 2853, AT6-0798.

LADIES ICE SKATES - White, size 6, w/rubber blade guards, like new. \$5. Betsy, Ext. 7552.

MILLING VISE - \$35; metal stamping letter set, 3/8", \$12; 2-5' bar clamps, \$6 ea. Ext. 597 AT6-0436.

COCKTAIL PITCHER - Genuine pewter, 1 qt size, excel cond. \$15. Ext. 597, AT6-0436.

BABY ITEMS - Folding crib, infant seat, bottle sterilizer, bottle warmer, walker, diaper pail, high chair. Reasonable. Ext. 7706.

PORTABLE WASHER - Hoover twin tub, very good cond. Ext. 7706.

GE FAN - \$5; elec kettle, \$2; GE hair dryer, \$4; broiler, \$6; Ronson shaver, \$5; vaporizer, \$3. Ext. 7706.

HAM GEAR - HQ170 SSB receiver, \$140; HX50 SSB transmitter, \$170; Cheyenne & Commanche w/mobile & fixes supplies, \$150 compl; Valiant transmitter, \$140. L. Redmond, Ext. 7171, 878-0968 after 1800. 3/4 BED - Innerspring mattress, box spring & frame, only 1 yr old. Orig \$100 +, sell for \$55. C. Reed, Ext. 2182.

AERIAL PHOTOGRAPHY, ANYONE? - Free pilotage, will share plane rental tab, single or group. Arnold, Ext. 7667.

EDISON SIX-YEAR CRIB - White, dual stabilizer bars, Kantwet foam mattress, very good cond. \$20. Marge, 744-8377.

CB WALKIE TALKIE - .5 watt 3 channel Lafayette, like new. \$24. Ext. 7166.

RCA SENIOR VOLTOHMYST - Model 98C, w/cables, excel cond. \$35. Ext. 464.

B&K DYNA-SWEEP - Model 1070 for TV circuit-analyzer, cables & probe very good cond. \$15. Ext. 464.

"HIGH HEEL SHOES" - Size 5M, perfect cond, 14 prs, variety of colors, some w/matching pocketbooks. \$2, \$3, & \$4/pr. 724-1910.

FREE - AKC collie, 6 yr old female, very affectionate, housebroken. Nancy, AT6-9009.

EMERSON INTER-CONTINENTAL RADIO - AM, 2 shortwave bands, portable (battery or plug-in). 286-0868.

SKIS - Head Standard, 7'0" w/Cubco safety bindings. \$40. C. Foelix, Ext. 2334.

PAIR ELECTRO-VOICE 951 MIKES - W/Atlas DS-7 stands, \$20; Heath test gear. J. Hallock, Ext. 2480.

Houses

BELLPORT VILLAGE - 3 bedrm ranch, fireplace, lg kitchen, good location. \$18,900. Hertzendorf, 286-0538.

PATCHOGUE - Colonial, 3 bedrms, formal din rm, close to village, churches, schools, taxes \$350/yr, excel cond. \$16,500. Bobbie, Ext. 2124, GR5-7599.

SM COTTAGE - Garage underneath, plot 150x90, priv driveway, quiet neighborhood. \$7000. 334-1162 after 6.

PATCHOGUE - 3 bedrm ranch, att garage, full basement, oversized detached garage, lg landscaped corner lot, many extras. W. Homer, Ext. 309, GR5-4597.

BLUE POINT - 5 bedrm house, no money down. \$16,000. EM3-6888.

BELLPORT - Maple Ave, 3 bedrm ranch, lg liv rm, eat-in kitchen, full basement, oversized att garage, deep, beautifully treed lot. Asking \$16,900. Ext. 572, AT6-8724.

PT JEFF STATION - Older home, 3 bedrms, lg kitchen, din & liv rm, separate 2 car garage, shop, walk to stores, lot 100x125, taxes \$650, sell to settle estate. AT9-1748.

SHIRLEY - 3 bedrms, lg rec rm, 2 baths, garage, w/w carpet in liv rm, breakfast bar & swivel stools in kitchen, near beach, schools & Lab. Must sell, \$17,000. Abate, Ext. 7504.

STONY BROOK - 4 bedrm col, 2 1/2 baths, s/s, 1/2 acre wooded, wood panelled kitchen & rec rm, 2 car garage, 5 appliances, w/w carpet. 751-3519.

For Rent

STUDIO APT - Attractive, full bath, compl kitchen unit, furn, incl all util. \$90. Ext. 7661, 281-3806.

Wanted

SNOWPLOW - To fit 8-N Ford tractor. Warren, Ext. 482.

16' OR LARGER BOAT - Preferably fiberglassed, w/head, reasonable; also interested in guitar for beginner. Ext. 2465.

HOME - For 7 mo old male cat, gray & white, trained, very affectionate & playful w/children. 281-5289.

TYPING - Term papers, etc., to do at home. Claire, Ext. 2131, 281-9034 after 5:30.

TO TRADE COINS - In Shell's Mr. President contest. Morris, Ext. 2727.

1 IRISH SETTER PUP - AKC, shots. B. McAllister, Ext. 2852, 727-7533.

BULLETIN BOARDS - For Sunday School classrooms, any size, shape or cond. Sharon, Ext. 7676.

BABYSITTER - 5 days/wk for 2 pre-schoolers. 289-5554.

USED PONY CART - 4 or 2 wheel. W. Chornoma, Ext. 2382.

ACRE BUILDING PLOT - Port Jeff, Belle Terre, or Shoreham. A. Bertsche, LT9-2147.

"CAPE DORY 10" - Sailing dinghy. Tuthill, Ext. 2521, HR3-5585.

GARAGE DOOR - Overhead, 7'x8'. Reasonable. GR5-7372.

CLEANING WOMAN - Reliable & trustworthy, 1 day/wk, own trans, steady, E. Patchogue. GR5-8658 after 6.

TO TRADE - 18' Scottie-Craft boat, bunks, head, controls, w/40 hp Johnson elec start outboard; for "house" trailer. \$700 value. JU5-8322.

14'-16" CENTER BOARD SLOOP - Fiberglass. Clarence, Ext. 2592.

2 EA 14"-15"-16" RIMS - 4 hole, 4" spacing, to replace sm trailer wheels, w/wo tires. Ext. 2528, AT6-1092.

AUTOMOBILE - '63-'66 sedan type, must be in excel cond, std trans. B. Walton, Ext. 2181.

Carpools

PAYING RIDER - Needs ride from & to Eastwood Blvd, Centereach, 1 mi off Jericho Tpke. Pat, Ext. 614.

Classified Ad Policy

Deadline is 12 noon Friday for publication the following Thursday.

- 1. The Bulletin Board's classified section may be used only by active and retired Laboratory employees.
- 2. All items for sale or rent must be the advertiser's property.
- 3. Persons listing houses, apartments, or rooms for sale or rent, do so with the understanding that these must be available without regard to race, creed, color, or national origin.
- 4. Ads for material acquired for resale in association with a full or part-time business cannot be accepted.
- 5. Ads should be restricted to 20 words or less and typed

or printed on the form provided, and must bear the employees signature.

6. Ads not carried because of space restrictions will be held for publication in the next issue.

7. Ads are run only once and must be resubmitted if they are to be repeated.

8. Firearms offered for sale or trade may not be brought on site.

For Sale: Auto & Auto Supplies For Sale: Houses Carpools
 For Sale: Boats & Marine Supplies For Rent Check the heading applying to your ad.
 For Sale: Miscellaneous Wanted Print or type your ad in 20 words or less.

(Name & Phone No. To Call)

If this ad concerns housing for sale or rent, such housing is available without regard to race, creed, color, or national origin.

Employee's Signature..... Life No..... Ext.....

Send to: BULLETIN BOARD, 40 Brookhaven Avenue