



Denmark Honors Medical Researcher

Dr. Eugene P. Cronkite, Chairman of the Medical Department at Brookhaven National Laboratory, will receive the 1969 Alfred Benzon Award for work in hematology on September 10.

The Alfred Benzon award is given annually by the Alfred Benzon Foundation in Copenhagen to the person deemed by the Foundation's Directors to have made continuing contributions to phases of basic biological research that are relevant to medicine.

The Alfred Benzon Foundation supports both basic and applied research in the medical and pharmacological sciences. In 1966 it established the world-wide Alfred Benzon Award to honor an individual whose work is most noteworthy. Dr. Cronkite was the unanimous choice of the Foundation's Board of Trustees to receive this year's award.

Previous winners were Professor Morten Simonsen of England, who lectured on "The Recent Progress in Transplantation"; Professor Frederick Sanger of England, who lectured on "The Chemistry of Living Matter"; and Professor Igor Tamm of Rockefeller University, New York, who lectured on the "Replication of Viruses."

On Wednesday afternoon, September 10, Dr. Cronkite will deliver the Alfred Benzon Lecture at the University of Copenhagen and receive an award equivalent to \$5000 U.S. currency. Dr. Cronkite's lecture is entitled "The Ubiquitous Lymphocyte."



Eugene Cronkite

Dr. Cronkite joined Brookhaven Laboratory in 1955 as a Senior Physician and Head of the Division of Experimental Pathology. In 1967 he was named Chairman of the Medical Department. Dr. Cronkite is noted for his development of Extracorporeal Irradiation of the Blood (ECIB) as a treatment for blood disorders, principally chronic lymphocytic leukemia. ECIB utilizes a bedside gamma irradiator, and by means of an arterial-venous shunt, the patient's own heart pumps the blood through the irradiator, thus exposing only the blood to the gamma radiation. The intensity of the radiation is controlled so that only the leukemic cells are destroyed, with no harm to the healthy blood cells. This procedure is now being used in a number of other hospitals in the U.S. and abroad.

In recent years, Dr. Cronkite has extended the same principle to irradiation of the body's lymph (ECIL) fluid in an effort to control the lymph cells which the body generates in response to a foreign body or organ transplant.

Both the ECIB and ECIL procedures are still in the development stage, and Dr. Cronkite emphasized that both are considered experimental treatments that may aid in the management of the diseases, but cannot cure leukemia.

Dr. Cronkite is a past and present member of numerous national committees and organizations, many of which deal with irradiation and hematology. He is a member of the Naval Reserve, and was recently elevated to the rank of Rear Admiral. He is an Adjunct Professor of Medicine at SUNY at Stony Brook.

Biology Head Leaves For New Post



C.H.W. Hirs

C.H.W. Hirs Leaves For Indiana U. Post

After 11 years of service to the BNL Biology Department, including four years as Department Head, Dr. C.H.W. Hirs is leaving Brookhaven to become Director of the Division of Biological Sciences at Indiana University.

Christophe Henri Werner Hirs was born in Berne, Switzerland, and had his pre-doctoral schooling in England. In 1944 he came to the United States and enrolled at Columbia University where he received his PhD in Biochemistry in 1949. He joined the Rockefeller Institute in 1949 and remained there until 1958 when he joined the staff of BNL as a Biochemist.

"I recall so well the first time my wife and I came to Brookhaven: we were greeted at the gate by three deer. It was late at night, and we felt like real pioneers as we moved into quarters in the Apartment Area." Dr. Hirs also recalls that the AGS was being built at that time, and each morning on the way to work he would see trailer trucks loaded with magnet sections.

In 1965, Dr. Hirs was appointed by Lab Director Maurice Goldhaber to a five-year term as Chairman of the Biology Department succeeding Dr. Howard J. Curtis. At this same time Dr. Hirs became Adjunct Professor in the Division of Biological Sciences at Stony Brook University.

Early research by Dr. Hirs and his associates into the 3-dimensional structure of protein led to the publication of several papers on the structure of sperm whale myoglobin. "The whale meat was supplied by the Low Temperature Station at Cambridge, and was ideal for our studies. We tried eating the whale meat a few times and found it was surprisingly good."

During the years spent at Brookhaven Dr. Hirs has done much important work on the structure and function of proteins. He and his colleagues, using advanced techniques, were able to elucidate the complete amino acid sequence of ribonuclease. Dr. Hirs has been active in many professional societies and is executive editor of *Archives of Biochemistry and Biophysics* and an editor of *Analytical Biochemistry*.

At Indiana University, Dr. Hirs plans to combine research and administration as well as some teaching. "Because of the increased enrollments in biological sciences courses," said Dr. Hirs, "there is a distinct challenge to maintain the quality of the courses offered. Students are now more aware of eugenics and ecology - they are aware of the meaning of the population explosion which will be one of the major social and political influences of the world."

"The years at Brookhaven," he said, "have led to the middle years of life for me. While at BNL I have advanced professionally and for this I owe Brookhaven and my colleagues a great deal. I shall be leaving with a great deal of regret."

Dr. Hirs and his wife, Catherine, have sold their home in Old Field and purchased a house in Bloomington, Indiana, near the campus of Indiana University. They are both looking forward to the move and to the start of a new career.

When Dr. Hirs leaves the Laboratory next Wednesday, Dr. William Siegelman will become Acting Chairman of the Biology Department.

Safety Issue Schedule

Safety spectacles will be issued on Mondays from 9 a.m. to 12, and on Wednesdays from 1:30 to 4:30.

A "Time In" For S.C. Youth

A "Time In For Entertainment" will be presented on Saturday, September 13, 1969, at 8:30 p.m., at the Long Island Arena. The county-wide youth talent effort will feature such special guests as Sad Sam and the Tremains.

The proceeds of the "Time In" will be used to obtain and maintain youth centers in communities throughout Suffolk County. Reserved seats can be obtained from the Rev. Thomas Walker, Chairman of the "Time In", by calling 732-4345. Tickets are also on sale at the box office of the arena.

Boating Dangerous?

John Smith was really mad. He had been fishing all afternoon in his ten foot rowboat with his four small children and hadn't caught the fish he wanted. He had caught lots of wash from passing boats, and to cap it off, here comes a really big one looking like it's about to run him down! Smith stood up in the boat and shook his fist at the slowly approaching boat.

The large boat stopped alongside of Smith's rowboat, and the skipper, after first asking Smith to sit down, proceeded to enlighten Smith to the fact that Smith was anchored in the middle of the channel, within ten feet of a mid-channel buoy, that Smith was endangering the lives of his children, who were all under eight and not wearing life jackets, standing up in the boat made matters worse and that the larger boats were passing him so closely because they couldn't leave the channel and chance running aground in the shallow waters nearby.

The larger boat's skipper then told Smith about the free boating classes the United States Power Squadron teaches in local schools and that information was available by calling Operator 25 at Western Union about Power Squadron Classes. Smith thanked the skipper and went to class.

Peconic Bay Power Squadron will have classes in Riverhead High School starting Tuesday, 9 September at 7:30 p.m. and at Southampton High School on Wednesday, 10 September at 7:30 p.m. Families are encouraged to attend together, for Boating Safety is a family affair. The course lasts about fourteen weeks and uses Chapman's as text.

Call 727-2661 or write PBPS, Box 292, Riverhead 11901 for information. Other boating safety classes to be held this fall will be announced in a later issue of the *Brookhaven Bulletin*.

Sports Car Club Coming Event

Sports car enthusiasts are urged to hold open Sunday, September 14. On that day, the BNL Sports Car Club is planning a Fun-Khana.

Camera Club

The BNL Camera Club will present two movie films at its next meeting on September 15, 8 p.m. in the Recreation Building in the apartment area. One will present a biography of Mathew Brady, a famous pioneer journalist-photographer of the nineteenth century. He was particularly well known for his Civil War photographs. The second film covers the life and work of Edward Steichen, one of the photographic greats of all time. It attempts to present his philosophy of art, nature, and his work.

Members, former members, prospective members and visitors are cordially invited. There will also be a discussion of future meeting plans.

Tennis Champions



Here are eighty percent of the Champions in the 1969 BERA Tennis Tournament. Mary Ann Henry (bottom) Ladies' Singles. Allan Auskern, Men's Singles. Mary Jane Stangby, Mixed Double (with Phil Palmedo who was not available for the picture) and Andrew Kevey (top) who teamed up with Allan Auskern for Men's Doubles. —Humphrey

New Concert Series Starts October 7th

The BERA Concert Series for 1969-70 promises to be a distinguished one with world renowned artists. The opening concert on Tuesday, October 7, will be presented by the Eastman Quartet, a chamber group composed of Frank Glazer, pianist; Millard Taylor, violinist; Francis Tursi, violist; and Ronald Leonard, cellist. The three string players, as the Eastman Trio, formed the nucleus for highly successful chamber music activities during many years as artist-faculty at the Eastman School of Music. Now as a quartet, these four musicians bring the vast and interesting repertoire for piano and strings to audiences everywhere.

Augustin Anievas' pianistic brilliance will dominate the stage for the second concert on Thursday, November 6. Time magazine described his playing at the First International Dimitri Mitropoulos Music Competition in 1961 as having a "prodigious technique and the kind of rhapsodic, deeply felt musical vision that suggests a major career."

Ernst Haefliger is one of the foremost lieder interpreters in the world. He has established his reputation as one of the best interpreters of Bach, and his recitals are the highlights of the musical centers of the world. He will present an evening of lieder on Tuesday, December 2.

There will be a Young Artist Recital on Thursday, January 8, presented by one of the most promising piano talents on Long Island, James Gemmell. He is the son of Dr. and Mrs. Lee Gemmell of Brookhaven. Dr. Gemmell is Associate Division Head of BNL's Health Physics Division. There will be no admission charge for this concert.

Claude Montoux, flutist and conductor, is the son of the late Pierre Montoux, one of the giants in the musical world. He will appear on Tuesday, January 20 in a solo flute recital. As a recital flutist, Mr. Montoux has appeared in all the major cities of Europe, and gave a command performance at the White House.

The Mozarteum Woodwind Quintet of Argentina was warmly received by New Yorkers in their debut in 1968. The New York Times said: "The ensemble is superbly disciplined . . . with beautiful precision and style." They will be at the Laboratory to present an unusually interesting program on Thursday, February 5.

"Marvin Hayes is a highly endowed young artist whose gifts include a voice of unusual richness and power and the skill and artistic imagination to use it effectively" according to the New York Times. His beautiful bass voice will be heard in a program of lieder, spirituals, and other songs on Thursday, March 19, accompanied on the piano by George Malloy.

The Chicago Tribune considers the Pacific String Trio "among the best integrated groups around." The trio, composed of Nannette Levi, violin; Forrest Midtmoen, viola; and William Harry, violincello, is originally from the West Coast but has since played in every major city in the United States and Europe. The closing concert by the Trio on Tuesday, April 7, will be a fitting finale for the many chamber music lovers at BNL.

All concerts will be presented at 8:30 p.m. in Berkner Hall. Season tickets are on sale at \$10 for adults and \$5 for children. Single tickets may be purchased for each event at \$3 for adults, \$1.50 for children, and \$3.50 for non-employee guests. Season tickets are available from:

Arnold Aronson	Ext. 7411	DAS
Clemens Auerbach	Ext. 7753	DAS
Manny Hillman	Ext. 2378	DAS
Charles W. Kim	Ext. 7487	Medical
Blanche Laskee	Ext. 2808	Recreation
Myron Ledbetter	Ext. 7215	Biology
John Stehn	Ext. 2449	DAS
Rita Straub	Ext. 2878	Medical

Staff Photographer Lectures At Mayo



Robert F. Smith, Photography, is shown while giving a course in microscopy and photomicrography at Mayo Clinic in Rochester, Minnesota. The course was held during the week of August 11 to 17 for bio-medical photographers. The picture was taken by a former member of the BNL photographic staff, William De Veer.

Stangby-Palmedo Triumph

The finals of the Mixed Doubles Championship of the 1969 BERA Tennis Tournament were played, as scheduled, last Tuesday evening, August 22, under less than ideal conditions. At a quarter to five it was raining so hard it seemed certain that the match would be postponed. By five, the rain had stopped and the contestants had agreed to play - provided that a court could be made dry enough to minimize the danger of slipping on a slick surface. As a result of yeoman's service by players, volunteer officials, and spectators, enough water was pushed off the center court to permit the match to start just before six. In spite of the late start, two sets were played before darkness could become a factor, with the top-seeded team of Mary Jane Stangby and Phil Palmedo winning the closely contested match 6-3, 7-5 from the second-seeded team of Helen Connell and Larry Passell.

When the match started, the playing surface was sloppy in spots. To make up for the sloppy court, play was sharp and crisp. In five games, Palmedo lost only six points on his service; Passell lost eleven points in six games. Four love games were served in the second set; Mrs. Stangby winning two, and the men one each.

Court coverage by both teams was outstanding. Time and time again, a seemingly impossible return would be made. Net play was spirited and prolonged. Although the teams were closely matched, Mrs. Stangby's superior, aggressive net play provided the slight edge to produce the difference in the final score.

The first set opened with Passell, and then Palmedo, holding service. In the third game, after reaching deuce, Miss Connell had her service broken. The one-game advantage for Stangby-Palmedo became a two-game advantage with Mrs. Stangby holding service in the 4th game, despite having the score go to deuce three times. Passell's service was broken in the 9th game, ending the first set.

If anything, the tempo of the match became faster in the second set as the court became dryer. The first eight games divided evenly, as service was held in the first six games and successive service breaks against Mrs. Stangby and Miss Connell in the 7th and 8th games knotted the score.

Following these losses by service breaks, love games were served by Palmedo and then Passell. Not to be outdone by the men, Mrs. Stangby then rose to the occasion and came through with another love game; the third in succession and her second of the set. She had won the 3rd game at love. Thus, the stage was prepared for the climatic moments of the 12th game. With Miss Connell serving, her team had reached 40-30 and needed one point to tie the score. Instead, three unreturnable shots by Stangby-Palmedo secured the next three points, and with them the game, set, and match.

Here and There

Dolores del Castillo

D.A. Ravenhall and G. Schwender (both of Applied Math) were the inventors of "Tape Reel Identifying Arrangement Employing Light Reflective Coded Label," for which U.S. Patent No. 3,458,706 was granted to the AEC on July 29, 1969.

Richard A. Beth (Accelerator) was the inventor of "2-n Pole Electromagnet for Focusing Charged Particles," for which U.S. Patent No. 3,461,410 was granted to the AEC on August 12, 1969.

John Van Norman (DAS) has been named Associate Professor of Chemistry by the Youngstown State University. A part-time instructor in the evening division of Dowling College, Dr. Van Norman has been with the Laboratory since 1959. He will assume his new position about mid-September.

James R. Sanford (Accelerator) has been named to head the Experimental Facilities at the National Accelerator Laboratory. Dr. Sanford came to BNL in 1962 and served successively as Assistant Physicist, Associate Physicist and Physicist. He has served on a number of governmental committees at BNL, the Princeton-Pennsylvania Accelerator, and at NAL.

During the Buffalo meetings of the 8th International Congress of Crystallography, August 7-12, Benno P. Schoenborn (Biology) presented a paper entitled "Neutron Diffraction Analysis of Myoglobin." Donald Koening (Biology) also presented a paper at these meetings entitled "Structure of 6-Selino Deamino Oxytocin."

During the Stony Brook meetings of the Congress, a paper written by R. Thomas, W.C. Hamilton, J.B. Godel, H.W. Kraner, V. Radeka, D. Stephani, G. Dimmler, W. Michaelson and M. Kelly was presented. It was entitled "A Parallel Data Collection System for the Simultaneous Measurement of Single Crystal X-Ray Intensities."

George J. Otto, University of Leipzig, will visit the Laboratory on September 3 to discuss nuclear and low energy physics.

Dr. Guru V. Dass of the Rutherford Scientific Research Laboratory will visit the Laboratory September 3 and 4 to discuss theoretical and related experimental work in high energy physics.

Raymond St. John Walker, Director of Establishment, Organization and Finance of the Science Research Council, London, will visit the Laboratory on September 5 to discuss methods of program, budgetary and manpower control, staff structure, job evaluation, etc.

Nancy Baldwin, wife of Bob Baldwin (DAS) is showing her pottery at Gallery North in Setauket now through September 28. On September 6, Nancy will demonstrate on the potter's wheel.

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NORBERT J. DERNBACH
Public Relations Officer

Cafeteria Menu

Week Ending September 11

Friday, September 5	
Clam Celery Bisque	
Chinese Pepper Steak	.65
Codfish Cakes/Tomato Sauce	.65
Shrimp Chow Mein	.75
Monday, September 8	
Vegetable Soup	
Roast Leg of Lamb/Mint Jelly	.65
Saute Steer Liver/Broiled Bacon	.65
Cream Chicken on Rice	.65
Tuesday, September 9	
Puree Split Pea Soup	
Round Roast of Beef au Jus	.75
Frankfurters Rolled in Bacon	.65
Baked Lasagna	.75
Wednesday, September 10	
Chicken Gumbo Creole Soup	
Baked Beef Loaf/Brown Gravy	.65
Roast Stuffed Turkey/Giblet Gravy	.75
Fried Filet of Sole/Sauce Tartar	.65
Thursday, September 11	
Cream of Mushroom Soup	
Breaded Veal Pattie/Tomato Sauce	.65
Tender Brisket of Corned Beef	.75
Spaghet w/Meat Balls/Hunter Style	.75

Kevey-Auskern Beat Brandon-Bookless

The championship competition of The Walter W. Merkle Men's Doubles tourney in the 1969 BERA Tennis Tournament pitted the first-seeded team of Andy Kevey and Allan Auskern against the second seeds, Jim Brandon and "Stu" Bookless last Tuesday evening (August 19) on a windswept court under storm-threatened skies. Using good strategy and tactics combined with excellent execution, Kevey and Auskern swept to a quick victory in two sets, 6-3, 6-3.

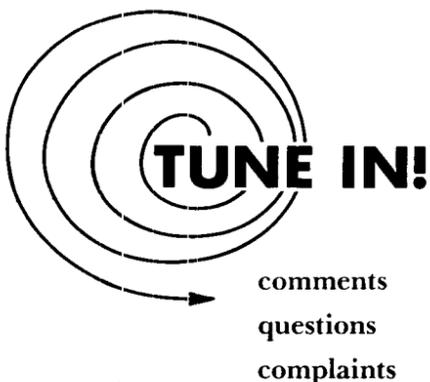
It became apparent early in the match that Brandon and Bookless were aggressively trying to dominate net play by rushing to the forecourt following the serve, whereas Kevey and Auskern had adopted the tactic of playing the ball as it came. As a result, Kevey and Auskern were able to score often with well-placed passing shots and lobs over the heads of their charging opponents. As for strategy, after the team of Brandon and Bookless had won the toss and elected to serve, Kevey and Auskern huddled before deciding to receive service from the south side of the court so as to benefit from the strong south-west wind when right-handed Kevey and left-handed Auskern were serving.

Whether resulting from the contrasting strategy and tactics or from some other factor, the statistics are most interesting: Auskern held service in all his 4 games while serving only 21 times and had 2 points scored by the opposition; Kevey's performance, in 5 games with 1 loss, required 41 serves and netted the opponents 11 points; Brandon lost 2 out of his 4 games, needing 35 serves and yielding 13 points; Bookless won 3 out of his 5 games, but had 54 serves and lost 17 points.

In the first set, Kevey and Auskern quickly built up a 3 to 1 lead by breaking service in the first game off Bookless while service was held by Kevey, Brandon, and Auskern. There were no service breaks until the 9th game which ended at double set point.

Kevey's only loss on service occurred in the first game of the second set. The score was soon evened at 2-all when Brandon's service was broken in the 4th game, after both Bookless and Auskern had held service.

Service was held throughout the remaining games except for the 8th which went to deuce twice before Brandon had his service broken. In the last game Kevey reached match point three times before securing the victory.



Children's Water Carnival Draws A Huge Crowd

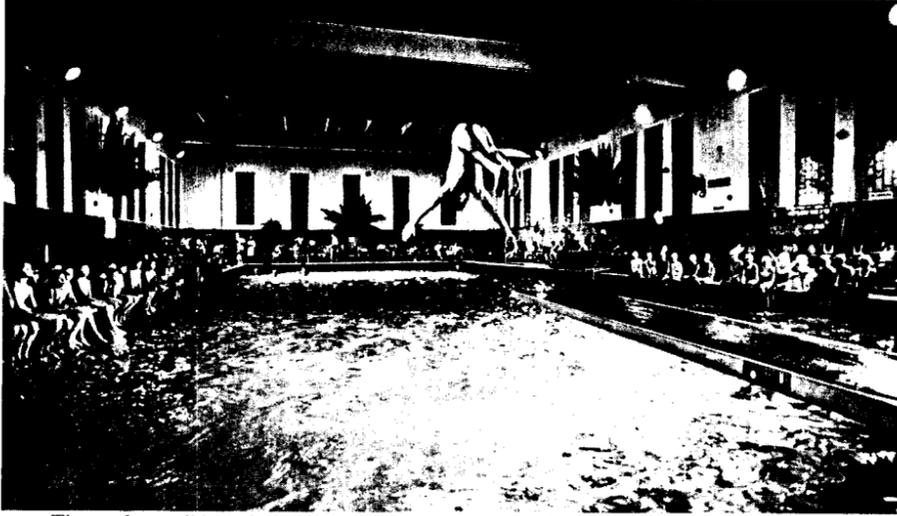
Over two hundred children arrived at the BNL Pool on Thursday evening, August 28th for the Grand Finale of the Summer Recreation Program. They were accompanied by over one-hundred and fifty adults who watched three hours of madness, both in and out of the water. This was BNL's Annual Water Carnival.

The spectacular evening included: prize balloons, a penny fetch, inner tube derby, racing and diving, kickboard races and candle races. Almost everyone who showed up had to be a winner as twenty-five trophies were awarded along with over 250 ribbons. The Recreation budget suffered a twenty-five dollar setback as the kids came up with the prize balloons and claimed their gifts. Hundreds of balloons were spread about the Pool and if a child could survive and bring one out with BNL painted on it, he would receive a prize. George Sabine looked worried as he counted his trophies and dollars leaving the Pool.

If all this wasn't enough, the watermelon scramble provided the master touch to the madness. The boys fought the girls for a chance to devour the big, juicy melons. In the end, everyone including some of the parents ate.

The BNL Water Carnival is a popular attraction sponsored by the Recreation Department, and the Staff wishes to thank all the parents and children who participated in our summer programs. The year is over but its memory will linger on and we hope the entire gang will return for more fun and games next season.

Children's Water Carnival Ends Season



The pool was all in order when the diving contest started at the Children's Water Carnival.



Four different styles of dives.

Annual Softball Nite Again



Spectators and players mill around before the start of the game on Tuesday, August 26. Beer, soda, ice cream and chips were distributed to the wives and families as well as to the players who came to exhibit their skills at this annual affair.



Adults and Kids: Players and spectators all got hungry before the night was over.



This intent trio was all for the game during Softball Nite at BNL.

Softball

Tom Lee

George Sabine and the Recreation Group set up another fine evening of softball and extras for our last formal night of ball playing.

Some of the extras were Mike Zguris doing an anti-rain dance at second base. Also, the act in left field for the National League, from which one of the greatest quotes in softball history at the Lab was heard. Quote - I got it - End of Quote, and act, I hope.

Even with a dampened atmosphere the night was a huge success with the Brookhaven League winning the game for the first time. I can't believe these guys can play so seriously for a whole season.

With good plays and homeruns being so common, no one person can be singled out for having an exceptional night - with the exception of one, which we won't name.

Again we thank all the fellows who gave some of their time; George, Walt, Guy - from the Rec. Office; and the ball players and families for making the night a success.

See You All Next Year!

Soccer

M.T. Hutchings

Capricorn-Gemini - 7 Vs. Cancer-Sagittarius - 5 (2-3)

We let the stars arrange the sides on Monday, 25th August, when some facts were revealed. There are slightly more soccer players born in the first half of the year than the second. Those born in the second half may play well in the first 45 minutes but can't stand the pace. In fact, they are rather susceptible to heat exhaustion, or perhaps possess more sense, than the Capricorn-Gemini - several leaving at half time. Those who struggled on were rewarded by temperatures cooling into the low 80's as the Cancer-Sagittarii wilted.

Maybe the stars are right for you to try soccer! Now that the summer students and visitors are leaving we need more players to make up eleven-a-side practice games. It will be cooler next week - so if interested call Ext. 7608, or come Mondays - 5:30 at the Gym. New employees welcome. Matches start September.

Rifle-Pistol Club Meeting

The BNL Rifle-Pistol Club will meet at the Recreation Building on Friday, September 5, at 8:00 p.m.

Fifth Round Robin Pistol Tournament

The fifth round robin pistol match of the 1969 season was held on August 14th at the BNL Pistol Range. The results are as follows.

In the 38 cal. individual event the winners were: C. Spinelli, Accelerator, 1st place, Class A, with a score of 291; P. Mercier, PEP, 1st place, Class B, with a score of 271; J. Nicoletti, Shops, 1st place, Class C, with a score of 251; G. Buhl, retired, 1st place, Class D.

In the 38 cal. two man team event the winners were: Capt. F. Bugala, Lab Police, and J. Barry, PEP, with a team total of 577.

In the 22 cal. individual competition the winners were: J. Barry, PEP, 1st place, Class A, with a score of 263; F. Keute, Appl. Sci., 1st place, Class B, with a score of 232; B. Vogt, Accelerator, 1st place, Class C; and L. Baker, Instr. & H.P., 1st place, Class D.

The next scheduled match is on Thursday, September 11th at 1715 hours.

Tennis News

All of the preliminaries are out of the way and it is time for the finals. The Ladies' Singles and the Walter W. Merkle Men's Doubles tournaments have been completed already (for details of Men's Doubles see story in this issue), and the Men's Singles and Mixed Doubles should be completed before this column goes to press, provided the weather holds.

We'll try to have stories on the championship matches in these latter two divisions in next week's *Brookhaven Bulletin*, space and time permitting.

Last week's play gave the following results:

Men's Singles

Semi-Final Round: Brandon-Elmore, 6-0, 6-1; Auskern-Feldberg, 6-4, 6-3.

The Walter W. Merkle Men's Doubles Championship: Kevey, Auskern-Brandon, Bookless, 6-3, 6-3

Championship: Henry-Kevey, 10-8, 6-2.

Metropolitan Opera Tickets

As in past years, BNL employees again will be given the opportunity of buying Metropolitan Opera Tickets at the Recreation Office. For your convenience, BERA has purchased 8 subscription tickets for each of 69 performances for the 69-70 season. The seats are located in the Family Circle Section and are priced at \$2.50 per ticket.

Since the supply is limited, the following ticket procedures must be enforced.

1. Tickets will go on sale Monday, September 8, at 9:00 a.m. No orders will be taken before that date and time.

2. Tickets are intended for the employee and members of his immediate family. It is understood a single employee may wish to buy an additional ticket for his or her escort.

3. An employee may purchase a maximum of 2 tickets to 4 operas or 4 tickets to 2 operas. Tickets will be sold in pairs only.

4. An employee must appear in person at the Recreation Office to purchase tickets.

5. Tickets will not be returnable or accepted for refunds at the Recreation Office.

1969-70 Opera Schedule

MONDAY

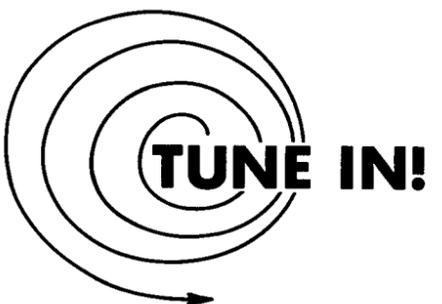
Sept. 22 Eugene Onegin
 Sept. 29 Luisa Miller
 Oct. 6 Andrea Chenier
 Oct. 13 Andrea Chenier
 Oct. 20 Il Trovatore
 Oct. 27 Aida
 Nov. 3 Cavalleria/Pagliacci
 Nov. 10 Samson et Dalila
 Nov. 17 Cavalleria/Pagliacci
 Nov. 24 Siegfried (7:00 p.m.)
 Dec. 1 Macbeth
 Dec. 8 Die Walkure (7:00 p.m.)
 Dec. 15 Tosca
 Dec. 22 Aida
 Dec. 29 Samson et Dalila
 Jan. 5 Il Trovatore
 Jan. 12 Hansel and Gretel
 Jan. 19 Die Zauberflote
 Jan. 26 Orfeo ed Euridice
 Feb. 2 Die Zauberflote
 Feb. 9 Der Rosenkavalier
 Feb. 16 Der Freischutz
 Feb. 23 Der Freischutz
 Mar. 2 Boris Godunov
 Mar. 9 Boris Godunov
 Mar. 16 Romeo et Juliette
 Mar. 23 Norma
 Mar. 30 Le Nozze di Figaro
 Apr. 6 Ariadne auf Naxos
 Apr. 13 Romeo et Juliette

TUESDAY

Sept. 16 Tosca
 Sept. 30 Eugene Onegin
 Oct. 7 Tosca
 Oct. 28 Cavalleria/Pagliacci
 Nov. 4 Il Trovatore
 Nov. 18 Samson et Dalila
 Nov. 25 Aida
 Dec. 9 Cavalleria/Pagliacci
 Dec. 16 Andrea Chenier
 Dec. 30 Aida
 Jan. 6 Hansel and Gretel
 Jan. 20 Andrea Chenier
 Jan. 27 Der Rosenkavalier
 Feb. 3 La Fanciulla del West
 Feb. 10 Die Walkure (7:00 p.m.)
 Feb. 24 Der Rosenkavalier
 Mar. 10 Norma
 Mar. 24 Romeo et Juliette
 Mar. 31 Boris Godunov
 Apr. 14 Norma

THURSDAY

Sept. 18 Aida
 Sept. 25 Tosca
 Oct. 2 Luisa Miller
 Oct. 16 La Fanciulla del West
 Oct. 23 Il Trovatore
 Nov. 6 Samson et Dalila
 Nov. 13 Cavalleria/Pagliacci
 Nov. 27 Cavalleria/Pagliacci
 Dec. 25 Hansel and Gretel (6:00 p.m.)
 Jan. 1 Il Trovatore
 Jan. 15 Andrea Chenier
 Jan. 29 Die Zauberflote
 Feb. 12 Der Freischutz
 Feb. 26 Boris Godunov
 Mar. 12 Ariadne auf Naxos
 Mar. 19 Norma
 Mar. 26 Luisa Miller
 Apr. 9 Norma
 Apr. 16 La Traviata



Classified Advertisements

Positions Available

TOOL CRIB ATTENDANT (1) - Central Shops.

Application Deadline: September 11, 1969.

MACHINIST (1) - Central Shops.

Application Deadline: September 11, 1969.

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

64 FORD GALAXIE CONV - Auto trans, r/h, 352 V8, maroon, good cond. \$750. Ext. 7351.

62 CHEVROLET STATION WAGON - V8, auto trans, ps, r/h, good cond. Ext. 7106, 727-2861.

69 YAMAHA MOTORCYCLE - 305 cc, 1900 mi, twin mirrors, garaged, like new. \$580. Jerry, Ext. 2715, 645-6620.

62 VW MICROBUS - Good cond, reasonable. 288-2876.

59 MERCEDES 220S - 4 dr sunroof, r/h, 2 snows on spares, good cond. Ralph, Ext. 2814.

66 FORD FALCON STATION WAGON - Yellow, 6 cyl, std trans, dual tailgate, new tires & brakes, 42,000 mi, excel cond. Pion, Ext. 351.

1-6.50X13 TIRE - Goodyear power cushion polyester, fair amount of tread left. Richard, Ext. 2725.

57 CHEVROLET STATION WAGON - Fair cond. \$100. Phil, Ext. 2449 after 6.

60 FORD GALAXIE - 4 dr, ps/pb, auto trans, very good cond. \$170. Ext. 7167, 7168.

60 VOLVO - Mechanic's special, needs oil pump & bearings. \$20. Paul, Ext. 574 after 5.

PR 7.75X15 TIRES - Firestone Champion Deluxe w/w, on Ford rims, almost new. \$33. I. Meyer, Ext. 463.

61 CHEVROLET - 4 dr sedan, ps, auto trans, r/h, recent eng overhaul, new tires, owner leaving Lab. B. Pollock, Ext. 423.

POWERGLIDE TRANSMISSION - For '62 Chevy, compl & in good cond. \$30. Don, 751-0120.

69 CHEVELLE - 396, 325 hp, 3 spd auto trans, ps/pb, vinyl top, excel cond. Tony, 281-5050 after 6.

2 STUDDER SNOW TIRES - 7.75x14, excel cond. \$35. J. Smith, Ext. 2797.

66 CORVAIR CCUPE - Auto trans, r/h, extra snows, low mileage. \$800. G. Cornish, Ext. 7544.

63 BUICK SPECIAL STATION WAGON - V8, auto trans, pb, r/h. \$400. Ext. 678, 529.

6-57 OLDS RIMS - Tubeless 14"; 3-15" Chevy rims. \$3 ea. 924-3824 after 5.

62 FORD FALCON STATION WAGON - Needs work but in running cond. Best offer over \$125. Phillips, Ext. 7617, 325-0609.

67 VOLVO 144S - Auto trans, blue, low mileage, prime cond, avail mid-Sept. Ext. 7151, 666-6584 after 9/5.

66 CHEVY II NOVA - 4 dr, std trans, r/h, new tires. Ext. 7559, 281-4547.

65 AUSTIN HEALEY 3000 MK III - Late series, o.d., Koni shocks, Stebro exhaust, new tires, excel cond. 475-5894.

59 FIAT 600 - Runs, needs battery; new starter, points & plugs just put in. \$40. Pat, 924-8539.

66 VW - White sedan, new brakes, radio, snows, moving, must sell. \$950. A. Adin, Ext. 7753.

67 FORD FAIRLANE SQUIRE - 9 psgr, 6 cyl, wagon, auto trans, excel cond. \$1800. M. Amoscato, SH4-5615.

64 PONTIAC CATALINA - 4 dr htdp, V-8, auto trans, ps/pb, r/h, good mech cond. \$350. 281-5289.

Boats & Marine Supplies

8' HYDROPLANE - Lightweight construction, steering wheel, cable & pulleys, excel cond. \$45. AT6-1253 eves.

17 1/2' FIBERGLASS OUTBOARD CABIN CRUISER - 60 hp Johnson, generator, mech steering, tandem trailer, elec winch, excel cond. \$1600. J. Gabusi, Ext. 2543, 273-2391.

BOAT, MOTOR & TRAILER - 14' Glastron w/40 hp elec start Johnson, fully equipped, extras. Best offer. S. Waski, Jr., 929-4787.

22' TROJAN SEA BREEZE - Cabin cruiser, head, galley, 2 bunks, 70 hp Mercury outboard, good cond. 878-0317.

20' CABIN CRUISER - Bay Craft inboard, 95 hp fresh water cooled, like new used 4 seasons, in water. Petruk, Ext. 2142, AT6-0124.

17' GRUMMAN ALUM CANOE - 1 yr old, excel cond. Charlie, Ext. 7558.

17' THOMPSON - Evinrude 75 hp motor w/elec start, Mastercraft trailer, full canvas, completely equipped, excel cond. 475-1997 after 6.

14' O'DAY JAVELIN - Fiberglass, dbl hull self bailing, jib, mainsail, spinnaker, Seaking trailer, sm outboard disassembled. \$800. Phillips, Ext. 7617, 325-0609.

16' FIBERGLASS RUNABOUT - Sportcraft 1966, 40 hp elec start Evinrude 1966, in water. B. Garfinkel, Ext. 2263, 587-9372.

Miscellaneous

SEARS TENT - 9x15, used twice, \$75; Bilt Rite baby carriage, excel cond. \$30. Ext. 7106, 727-2861.

GERBILS - 6 males & females, 7 wks old. \$1.25 ea. De, Ext. 558, LT9-4874.

PHILCO 18" TV - 20 mos old, \$60; Royal std typewriter, \$10; Sunbeam elec multi-cooker frypan, used twice, \$12. Ext. 2813.

SAILING ANYONE? - 3 dimensional, that is, you'll luff the scenery, L.I. 1 mi up, wow! Experienced certified senior pilot. A. Roesch, Ext. 7667.

COX CAMPER 1967 - Sleeps 6, ice box, sink, dinette, storage space, screen, rm, excel cond. JU8-9134.

CAMERA - Mamiya Press Deluxe 2 1/4x2 3/4, 90 mm F3.5 lens, graplex back, roll film holder, sun shade, carrying case, compl. \$180. I. Meyer, Ext. 463, 929-4326.

CHEST OF DRAWERS - \$7; bedside table, \$5; arm chair, \$3; coffee table, \$6; din chair, \$3; table lamp, \$1.50. 281-4722.

OILED WALNUT CABINET - Hand rubbed, containing Klipschorn w/4 speakers & RCA 23" color TV. R. Bergoffen, 286-8140.

2 AIR MATTRESSES - Higgins, full size, used once. \$15 both. 929-6261.

THOR GLADIRON MANGEL - Excel cond. \$50. 929-6261.

2 BURNER GASOLINE STOVE - Kampkook, uses blk or white gas, excel cond. \$10. 929-6261.

TACHOMETER - Machinist's type compl in case w/all attachments, 0-50,000 range, excel cond. \$20. McKenna, Ext. 7187.

GE REFRIGERATOR - Excel cond. \$25. P. Soo, Ext. 2711, 281-3965 eves.

ZENITH 21" TV - 2 yrs old, \$125; 78" couch, wine color, \$100; drop leaf maple table, \$10. GR5-1940 after 5.

BABY CARRIAGE - \$15; playpen, \$12. GR5-9131 after 5.

EASY WRINGER WASHER - \$5. B. Noe, 878-0979.

BLK WIG - Abbott dynel tresses, w/brush, worn twice. Orig cost \$30, make offer. J. Weiss, Ext. 2472.

COLEMAN SPACE HEATER - German make, kerosene, fuel oil, pipes for vent, 5 gal. \$20. B. Noe, 878-0979.

FURNITURE - Other household items. 281-4722.

PILOT 590 PRE-AMP - Am-fm tuner; Bell Pacemaker 2221B as base amp. Best offer. Frenchie, HR2-1875.

PETRI AUX LENS - Wide angle & telephoto, for Petri racer or 75. Very reasonable. Lance, Ext. 7351.

RCA TV - \$35. Ext. 529.

CHILD'S HIGH CHAIR - Maple finish, slightly scratched adjustable tray, sturdy. \$7 firm. 878-0289.

8' ROLL UP DOOR - W/windows & hardware. \$35. AT6-9304.

22" ROTARY MOWER - 3 hp Briggs & Stratton eng, \$15; 18" Toro self propelled reel mower, \$25; Garod am/fm/sw radio w/76 phono in wood cabinet, \$20. Ext. 2357.

FIGURE SKATES - British tempered steel, size 6 1/2, \$20 new, sell for \$6; teetertot, \$6. Ext. 2357.

DESK CHAIR ON WHEELS - \$5; tricycle, \$3; toaster, \$2. Ext. 502.

TODD AUTO-TRANSFORMER - 1500 VA, 230 v - 115 v, 50/60 cycles. \$7.50. Ext. 502.

MEDITERRANEAN DIN RM SET - Fruitwood table w/leaf, 6 chairs, 2 w/arm rests, lg matching hutch, 2 yrs old. \$300. John, 475-6762.

12 GAUGE SHOTGUN - Dbl barrel, 30" barrels Savage 311A, 2 yrs old. \$75. Ext. 7226, GR5-2043.

RCA MARK VII CB RADIO - Base or 12 v, crystals. \$50. Ext. 7226, GR5-2043.

REMINGTON RAND PORTABLE - Model 1 (very old), roller needs cleaning. Best offer over \$15. Phillips, Ext. 7617.

TRAILER FOR RENT - Planning a trip this Fall? Hunting season? Reserve now! A. Kreisberg, Ext. 7500.

LOCKING GAS CAP - For VW camper or station wagon, '67 & up, like new. Warren D., Ext. 7677.

BERNZ-O-MATIC PROPANE CATALYTIC HEATER - Adjustable, 1000-7000 BTU's, never used. Warren D., Ext. 7677.

TRUMPET - Stradivarius model made by V. Bach Corp, case & music stand incl. \$145. AT6-8544 after 6.

GE WASHING MACHINE - 14 lb, filter flow, excel cond, make offer. Ext. 7559, 281-4547.

PAINTING - Interior & exterior, reasonable rates, no job too small. 475-5894.

AIREDALE AKC - Female, 18 mos, make offer. Ext. 7559, 281-4547.

DESK - Wood w/7 drawers, attractive charcoal finish, in 3 sections for easy moving. \$18. Howard, Ext. 2320.

BALDWIN BLONDE SPINET - W/bench, excel cond, 4 1/2 yrs old. Sacrifice, \$500. YA4-6468.

MATTRESSES - 2 std extra firm Sealy Posturpedic king twin 40"x78"x6", excel cond. \$90. Don, Ext. 2430, 921-8216.

BELL & HOWELL 8 MM CAMERA - Reflex, multiple spd, auto zoom to 250 ASA, f 1.8, case, extras. Orig \$279, all for \$100. Dot, Ext. 7440, AT6-0247 after 7.

ASST SIZE 14 CLOTHES - Like new, some tags still on, incl 3 coats, slacks & several 2-pc suits. C. Newlands, 732-2025.

TV PANASONIC AN-69 - 1 yr old. \$80. Lindner, Ext. 2535, 7712.

TWIN DESK LAMPS - Coppertone, compl refinished, \$6; crib, wooden sides, good cond, \$15. R. Munsterman, 744-5871 after 4:30.

DROP LEAF TABLE - W/4 leaves & 6 chairs, \$85; baby carriage, Thayer, can be used as car bed, \$15. JoAnn, 744-2821.

SCHWINN BICYCLE - Boy's 20" sting ray, 2 spd, excel cond. \$40. 286-0795.

GO-KART - Corvette fiberglass body by Fisher, 3 1/2 hp live axle, drum brakes, must be seen to appreciate. \$175. 786-0795.

BELL & HOWELL 8 MM PROJECTOR - Pkg price for bath, completely auto self feed, 500 watt zoom lens. Orig, \$179, sell for \$75. Dot, Ext. 7440, AT6-0247 after 7.

Real Estate
Real Estate advertised for sale or rent is available without regard for the race, color, creed or national origin of the applicant.

For Sale
BLUE POINT - 3 bedrm ranch, liv rm, din rm, sun porch, fireplace w/built in bookcases, expansion attic, fenced patio, 160'x150' wooded plot. \$30,000. By appt only, 363-9513 after 5.

PATCHOGUE - Owner moving South, old home needs craftsman's touch for compl restoration, liv rm, din rm, 3 bedrms, library, kitchen, building lot in rear, low taxes & priced to sell. \$14,500. Ext. 2347, GR5-2950 eves.

YAPHANK - Lovely 3 bedrm home on acre, trees, lawns, shrubs, new custom kitchen, din rm w/corner cupboards, liv rm, fireplace, w/w, panelled solarium, detached 2 car garage, taxes \$600. \$36,500. YA4-3519.

For Rent
2 1/2 RM UNFURN APT - Enclosed porch, carport, 1st floor, Middle Island, prefer elderly couple. 732-3007.

5 BEDRM HOUSE - 3 up, 2 down, Shoreham, lg fam rm, 2 car garage. \$250/mo. 744-2798.

Wanted
FM TUNER - Good quality, mono acceptable. Kasha, Ext. 2948.

CEMENT MIXER - In working cond, buy or rent. Adams, Ext. 2934.

CERAMIC TILE INSTALLED - Repair & panelling. AT6-9304.

TO TRADE - S&H Green, King Korn or Orig. Green stamps, want Triple S Blue. M. Strongson, Ext. 2727.

FURN APT - Until mid-Nov, needed urgently by couple w/infant. T. Brennan, Ext. 7108.

BABYSITTING JOB - Mature, reliable woman will care for your children, preferably in my home w/ large back yard, E. Patchogue, GR5-2145.

BABYSITTING JOB - Will watch your children while you work, my house, Ridge. YA4-6792.

TYPING - Miscellaneous, to do at home. Susan, 281-8566.

14" RIM - W/wo tire for '63 Chevy II, 4 lug; old air conditioner, any cond, must be cheap or free. Ext. 2713.

FRONT END PARTS FROM CAR - W/13" tires to make boat trailer. George, Ext. 2713.

HOMES - For 6 wk old cuddly long-haired kittens, 3 female, blk & white, 1 male tiger. A. Carroll, 744-5093.

12" GE SPEAKER - Model 1201A; rolling tool chest, reasonable. G. Hrabak, Ext. 2713.

CONTROL - For Alliance rotor antenna, model T10. E. Iberger, Ext. 640, 1200-1230.

USED OR OUTGROWN TOYS - Bks, blocks, etc, for pre-school, kindergarten aged children, anything 3 to 5's can use will be greatly appreciated, needed for setting up a new church school class. S. Smith, Ext. 7676.

UNFURN 3 1/2 RM APT - Preferably no farther East than Patchogue. B. Brezisky, Ext. 7241.

GOLF CLUBS - Woman's, left handed, set or individual irons. Ext. 568.

SEWING MACHINE TABLE - To fit newer model Singer. Call J. Laurie, Ext. 2815.

COMPLETE 3:90 OR 4:11 POSI UNIT - To fit '55-'64 Chevy. Claire, Ext. 2131, 281-8306 after 5.

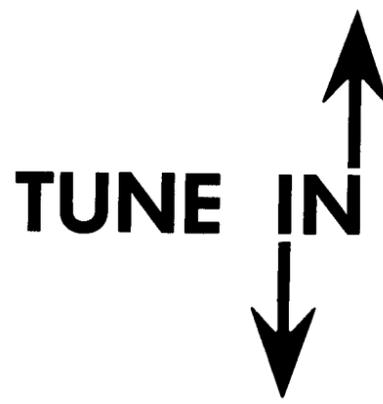
Carpools
DRIVER WANTED - Massapequa. Ext. 2942.

JOIN OR FORM CARPOOL - To Garden City area for early Mon night class. M. Strongson, Ext. 2727.

DRIVER WANTED - For existing carpool, Sayville (east). M. Rosen, Ext. 2181; H. Jones, Ext. 2216.

DRIVER WANTED - For existing 4-man carpool, vicinity of N. Prospect Ave., W. Patchogue. J. Costanzo, Ext. 548.

PAYING RIDER - Needs ride to work from 4-12 pm for 1 mo from Riverhead. Ext. 2245.



Classified Ad Policy

Deadline is 12 noon Friday for publication the following week.

- The Brookhaven Bulletin's classified section may be used only by active and retired Laboratory employees.
- All items for sale or rent must be the advertiser's property.
- Ads for material acquired for resale in association with a full or part-time business cannot be accepted.
- Firearms offered for sale or trade may not be brought on site.

- Ads not carried because of space restrictions will be held for publication in the next issue.
- Ads are run only once and must be resubmitted if they are to be repeated.
- Ads should be restricted to 20 words or less and typed or printed on the form provided, and must bear the employees signature.

- For Sale: Auto & Auto Supplies
 For Sale: Boats & Marine Supplies
 For Sale: Miscellaneous

- Wanted
 Carpools
 Lost & Found

Check the heading applying to your ad.
 Print or type your ad in 20 words or less.

Ads concerning property for sale or rent cannot be accepted on this form. Special Real Estate Ad forms are available at the Office of the Brookhaven Bulletin, Room 112, 40 Brookhaven Avenue.

(Name & Phone No. To Call)

Employee's Signature: Life No. Ext.

Send to: Brookhaven Bulletin, 40 Brookhaven Avenue