

BULLETIN BOARD

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BNL's Retirement Program

A recent government survey found that the national median income for two-member families over age 65 is only \$2,875 per year. This finding supports the experience of retirement plan managers - that if retired people rely solely on social security and personal savings, they seldom accumulate enough income to carry them comfortably through retirement. The average life expectancy beyond age 65 is about 15 years for men and 18 years for women. In many cases, personal savings are insufficient to last through retirement, thus forcing a couple to adopt a substantially lower standard of living, financed entirely by Social Security.

Of course, it's wise to make as much individual preparation for your retirement you can, and Social Security, with its improved income and new medical care benefits, does provide more now than ever before. But, a third, and most important, factor everyone should consider in planning for a comfortable old age is a retirement plan at your place of employment.

The purpose of this and subsequent articles will be to familiarize you with some of the more important features of your retirement plan at Brookhaven Laboratory.

This article will be primarily devoted to a general discussion of the organization that manages our plan and the importance of starting your plan early.

BNL employees participate in a combination of the Teachers Insurance and Retirement Equities Fund (CREF) retirement plans. TIAA and CREF are non-profit, companion organizations which administer retirement programs for over 200,000 participants in some 1,500 educational institutions. TIAA provides a guaranteed, fixed-dollar retirement annuity while CREF provides an optional variable annuity designed to be more responsive to changes in the economy. Thus, TIAA and CREF provide a retirement income which has an element of stability, yet is flexible enough to keep pace with fluctuations in the economy and in combination provide a reasonable opportunity for security during retirement.

TIAA invests premiums from you and the Laboratory in long-term fixed obligations such as bonds and mortgages. These investments pay a fixed rate of return which is passed on to each participant in the form of guaranteed interest payments and extra interest dividends. Currently, the total rate of return on your TIAA investments is 4½% per year, compounded annually.

CREF invests premiums from you and the Laboratory in a portfolio of broadly diversified common stocks. Your share of ownership in these stocks is measured by the number of "accumulation units" each premium payment purchases at the time it is made. The value of each accumulation unit depends upon the market value of the CREF portfolio. Unit values increase when the market value of CREF's common stocks rise and decrease in their value declines. Dividends received by CREF on its stock are used to purchase additional accumulation units for each participant. Since 1952, when CREF was instituted, the value of the accumulation unit has appreciated from \$10 to \$40.58. At present, you may apportion as much as 75% of total contributions (yours and the Laboratory's) to CREF.

At Brookhaven, it is mandatory that all regular employees begin participation in the retirement plan at age 30. By starting at this age, the employee has time, before retirement, to build up a reasonable income at age 65, at which point the total will consist more of interest earnings than premiums contributed by both the individual and the Laboratory. For example, if you and the Laboratory contributed a constant amount each year for 35 years to only TIAA, with an interest appreciation of 4½% per year, 58% of your retirement income would be derived from the interest earnings and 42% from the contributions.

The following table shows a typical TIAA-CREF accumulation resulting from 35 years participation at our current employee-Laboratory contribution rates:

The table makes the following assumptions:

- (1) The employee's base salary increases in constant annual increments starting at \$500 per month at age 30 to \$1,000 per month at age 64.
- (2) 50% participation in TIAA at an interest rate of 4½% per year.
- (3) 50% participation in CREF with a growth rate of 5% per year.

As you can see, the premiums make up less than half of the total accumulation at age 65.

Many employees have urged the postponement of mandatory participation in our plan to a later age on the theory that an individual's earnings will be higher and he can better afford his premium deductions. On the surface, this suggestion appears to have merit, and it has in the past years often been evaluated. It is currently

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Age	Total Employee Contributions	Total Laboratory Contributions	Total Accumulation (Less Interest)	Total Accumulation (Plus Interest)
30-35	\$ 1,482	\$ 2,382	\$ 3,864	\$ 4,120
5-40	1,813	2,713	8,390	10,025
1-45	2,144	3,044	13,578	18,183
46-50	2,475	3,375	19,428	29,185
51-55	2,806	3,706	25,940	43,776
56-60	3,137	4,037	33,114	62,899
61-65	3,468	4,368	40,950	87,745
Totals	\$17,325	\$23,625		

Catacosinos Testifies In Washington

Dr. W. J. Catacosinos, Assistant Director of BNL, testified on Wednesday of this week before the Research and Technical Programs Subcommittee of the Committee on Government Operations. The subcommittee is chaired by Henry S. Reuss, Representative from Wisconsin, who invited Dr. Catacosinos to appear and offer testimony on the "Offer of Sale" purchasing technique developed and used at BNL.

The Offer of Sale procedure has been in use at the Laboratory for about six years, and has resulted in considerable savings in the purchase of equipment.

Briefly, the Offer of Sale is an irrevocable offer by a manufacturer or dealer to sell, at specified or determinable prices, such listed items as BNL may wish to purchase during a specified term.

It should be pointed out that an Offer of Sale agreement with a company does not bind the Laboratory to buy from that company. If price, design, or other requirements so dictate, the Laboratory is free to purchase from a competitor.

Two objectives are accomplished. One is to permit the Laboratory to make repeated purchases of certain items without formal solicitation for each order. For example, in the course of a year there may be six requests, from six different BNL groups, for the same piece of equipment. Purchasing these units under the Offer of Sale cuts down the volume of paper work required.

The second objective is to use the combined purchasing power of the Laboratory to obtain more favorable quantity prices. Under the example above, the final price would be determined by the quantity purchase of six units, even though each was purchased at a different time in the year for different departments.

Inventions and Patents at BNL

A recent compilation of United States Patents issued for inventions made in the course of work done as part of the research program at BNL since its founding totaled 113. These patents are issued in the name of the inventors and are owned by the Atomic Energy Commission. The patents include developments as diverse as a White Carnation Plant, the design and operation of nuclear reactors, the design and operation of particle accelerators, the dissolution of used reactor fuel elements and the recovery of unused nuclear fuel, radioisotope generators, waste disposal methods, bubble chamber components, devices for utilization of gamma irradiation, superconducting magnets, special research tools, and electronic devices and circuits. In short, the patents cover inventions from just about every department of the Laboratory.

(Continued on page 2)

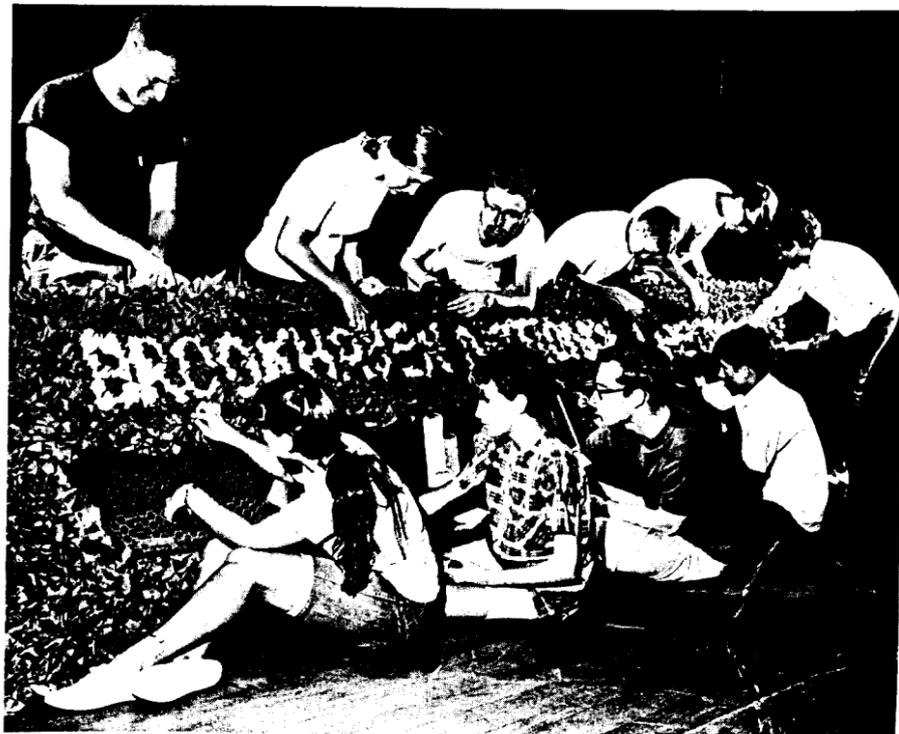
Come to Riverhead . . .

76 trombones and a big parade. It's Riverhead's 175th Anniversary celebration and BNL is going to have a great float, designed and built by our Summer Students, shown here diligently at work. The parade is this Saturday, Aug. 12 in Riverhead, starting at 9:30 a.m. The parade will start from the corner of East Main Street and Ostrander Ave., go west along Main St. to Court St. From there, marching units will proceed south on County Center to where they will disband, and the floats will continue West on Main St. where they will disband.



BNL's float is colorful and very ingeniously designed and built, so let's have a good turnout. Besides, the Summer Students will have their own Miss Electron, Miss Proton, and Miss Neutron on the float, and other pretty girls in the car. If you can't be there in person, check your TV schedule for a channel 8 telecast.

—Photo by Humphrey



Retirement . . .

under study again. However, each time the arithmetic is done, the conclusion is the same; namely, that an adequate accumulation by retirement age cannot be assured unless participation begins early. The results of delay are startling.

By delaying participation until age 40, the above table shows that the employee would lose the first 10 year's accumulation plus the interest earnings on that sum for an additional 25 years. He would retain \$3,295 of his own money, but he would lose \$5,095 in Laboratory contributions, plus \$1,635 in interest income on the first 10 years contributions, plus \$22,057 in interest earnings over the next 25 years. This is a total loss of \$32,082 and would reduce his retirement accumulation from \$87,745 to \$55,663.

Those lost 10 years would make a big difference in the amount of income during retirement. Let us use the above accumulation figures and, for our example, because we can project TIAA figures but cannot predict the retirement income from CREF, assume that the employee converts his CREF to TIAA and also elects Joint and $\frac{3}{4}$'s retirement option. Under this option an income is paid to him and his wife as long as they are both living, and when either person dies, the survivor receives $\frac{3}{4}$'s of the amount they had been receiving as a couple. If both die within 10 years, the payments are continued to a named beneficiary for the balance of the 10 years. By starting participation at age 30, our employee would receive from TIAA, an income of \$592 per month. If he started at age 40, his TIAA income would be reduced to \$376.

We hope the above provides you with an insight into BNL's retirement program and some of the reasons why early participation is of key importance. If you have any questions relating to the subject of this article, please send them to *Bulletin Board*, 40 Brookhaven Avenue.

Next week, we will discuss the death benefits and vesting privileges available under the BNL retirement plan.

Q & A . . .

The following questions were received for this week's benefit column.

Q. Please explain in layman's language, how the so-called Major Medical is computed?

A. Your Medical Insurance is often referred to as medical catastrophic insurance. It is intended to cover the major portion of your remaining medical expenses whenever your basic hospital and surgical benefits are exhausted. To establish a major medical claim, you must incur "out-of-pocket" medical expenses (for a single cause and for a single person) which exceed \$100 in a calendar year. Your major medical claim can run as long as three full years and begins on the date your out-of-pocket medical expenses exceed \$100. During your claim period, the insurance company will pay 80% of your covered expenses for the first two years and 50% for the third year. The maximum major medical payments for a single cause is \$15,000.

Q. When does the calendar year start and end for the Major Medical plan?

A. Normally you have one calendar year from January 1 to December 31, to accumulate the \$100 "out-of-pocket" amount. However, you may also include any out-of-pocket medical expenses incurred during October, November and December of the preceding year towards this amount. This, in effect, gives you 15 months to establish a major medical claim.

Patents . . .

Not only do the patents serve as a means of disseminating the technical know-how developed here, but they provide information in a concise form which then becomes available to U.S. citizens who may not read the scientific journals and would not otherwise be aware of such developments.

The basis for the Government policy of patenting significant inventions is one of protection for the public. When the AEC obtains a patent for an invention, the same invention cannot be patented by others. Since the work done at BNL is paid for by all of the taxpayers, the taxpayers should not be forced to pay again for the use of inventions developed with their money. Subsequent to issuance of a patent, AEC owned inventions are made available for use by the public free of charge.

In recent years, an average of about fifty inventions from BNL have been reported annually, with about half of these being selected by the AEC for actual patent application. Almost every one of these carefully selected applications ultimately becomes a patent. Since most patents require an average of about three years to issue after a patent application has been applied for, about fifty new patents would be anticipated from the BNL applications now on file.

Patentable inventions developed at BNL are generally first reported in a scientific contribution for publication in a professional journal. A pre-publication screening procedure with the Information Division uncovers most of these items. Other potential patent developments are volunteered by the inventors via direct communication with the BNL Patent Office. All inventions are reported to the AEC for final decision as to patentability and actual preparation of patent applications. When an application is filed (not when patent is issued) with the United States Patent Office an honorarium of \$50 is given to each inventor whose name is on the application by Associated Universities, Inc., in appreciation for his cooperation.

Those inventions for which the AEC does not desire to file an application may be brought to the attention of Research Corporation, a foundation engaged in obtaining and marketing patents. If an independent evaluation by Research Corporation establishes a market potential, they will undertake to obtain a patent and share the income from the patent with the inventors. If Research Corporation does not apply for a patent, the invention may be turned over to the inventors for their own exploitation under an agreement that safeguards the Government and BNL rights to use the invention.

Fife & Drum Corps

Last Friday a crowd of about 200 persons braved the threatening weather to watch a performance by the colorful and finely drilled Bayport Fife and Drum Corps. The Corps, founded in 1961 as a 10-member group, has grown over the years to a 48-member group under the very able direction of Louis Di Pietro of BNL's Fire Department. Barney Peltz of Biology is choreographer for the group, working out all the intricate drills which have brought fame to the Corps. Credits for most of the musical selections go to the French Revolution.

— Photo by Humphrey

Here and There

Bernard Manowitz (NED) lectured at Michigan State University, Aug. 4th, on food irradiation technology and techniques.

Jerome Hudis, the Information Representative for the Chemistry Department, is going on leave of absence later this month. Lewis Friedman will serve in this capacity in his place.

William Fowler (Physics) leaves Aug. 7 for Dubna, USSR, having been invited by the Joint Institute for Nuclear Research. While there, he will lecture on bubble chambers.

Jacob Bigeleisen (Chemistry) has been appointed a member of the Visiting Committee of the Carnegie-Mellon University.

Arnold Sparrow (Biology) was appointed a member of the Executive Committee of the Division of Biology and Agriculture of the National Research Council.

H.W. Siegelman was elected Secretary of the American Society of Plant Physiologists.

Elliott N. Shaw was appointed to serve for a three year term on the Advisory Committee on Research on the Therapy of Cancer of the American Cancer Society.

R.C. Anderson, Office of Scientific Personnel, will address the Annual Meeting of the New England Association of Chemistry Teachers (NEACT) on August 14 at Bowdoin College, Brunswick, Maine.

Harold Smith (Biology) will lecture at the Summer Community of Scholars Program, State University College, Plattsburgh, N.Y. August 7-11.

R.A. Beth, G.T. Danby and W.B. Sampson (AGS) have just returned from a Magnet Technology Conference in Oxford, England, where they presented invited papers on their work in the magnetic and superconducting fields.

George Kuzmack and Frank Thornhill (AGS) have received 10-year awards. Congratulations!

Special Hot Lab Service For The Coast Guard

On Thursday, July 27, a small single-engine plane left Spring Valley, N.Y. for the Montauk Point airport. It was due to arrive in Montauk about noon that day, but Thursday evening the U.S. Coast Guard was notified that it was overdue and missing. A search was initiated immediately, but was hampered by poor weather and poorer visibility.

The search continued through the night and into the next day. On Friday, the Coast Guard discovered two slicks of unknown causes, one in the vicinity of Gardiner's Bay and one in the Sound off New Haven, Connecticut. The regular analyti-

Letters To The Editor

Dear Sir:

Some months ago the Letters to the Editor column of the *Bulletin Board* carried the pro's and con's of a hot argument concerning building numbers and their use and misuse. Kudos to the *Bulletin Board*! Your publication of those letters may have helped to influence the compilers of the laboratory Telephone Directory to the compromise inclusion of both street address and building number. Now we can all use the time saving system of numbers for addressing mail without having to rely on a memory already cluttered with social security, telephone, and other numbers.

One other comment about the new directory: the site map is a great improvement. Why, however, have we lost some street names? What has become of Wood Road, Cartwright Place, Center Street, and Rutherford Drive? And, most inexplicably, why have we lost the names of some of our founding universities? What has become of Yale Road, Columbia Street, Harvard Street, Pennsylvania Street and Technology Street?

Daniel M. Schaeffer
40 Brookhaven Avenue

Optician Vacationing

The optician, normally servicing the Laboratory on Tuesdays and Thursdays, will be on vacation Aug. 14, 17, and 21.

If emergency service is needed, contact the Safety Service Office, Ext. 591.

cal service used by the Coast Guard was closed Friday night, and the Montauk base called the Laboratory for help.

John Tassinari and Ann Miller of the Hot Lab responded to the call. By 1:00 a.m. Saturday morning, a Coast Guard Seaman had arrived from Montauk with two samples - one, a jar of sea water from one of the slicks containing an unknown foreign substance, and the second, a piece of muslin that had been soaked in the other slick - and the analyses were underway. At 2:00 a.m. Tassinari called the Coast Guard base, telling them that the contents of the jar had no trace of oil, but showed a yellow dye which had possibly come from a dye marker. Analysis of the liquid in the rag showed a trace of either jet or diesel fuel, indicating that the missing plane had indeed crashed in Long Island Sound. As a result the Coast Guard continued the search, and subsequently recovered the body of one of the two occupants of the plane in the Sound off Bridgeport, Connecticut. As of this writing, the other occupant had not been found.

The Coast Guard was most grateful for the BNL assistance, and the Tassinari-Miller team closed up shop and went home. Another job - well out of the routine - well done!

☎ - 179-67



Arrivals & Departures

Arrivals

Sandra M. Dioquardo.....Physics
 Roger E. Hallinan.....Applied Math.
 Anne C. Hudak.....Medical
 Paula E. Hughes.....Accelerator
 Theresa M. Mataragas.....Fiscal
 Sandra A. Meyer.....Physics
 Frank Mignano.....Plant Maint.
 Gerald S. Svenonius.....Accelerator
 Donald R. van der Kolk.....Medical

Departures

Charles J. Daley.....Fiscal
 Eugene F. Drummond.....Mech. Eng.
 Jeneane G. Dunn.....Personnel
 Charles R. Hedberg.....Mech. Eng.
 Paul Mandel.....Mech. Eng.
 Arthur B. Moore, Jr.....Reactor
 Nobuyoshi Oji.....Medical
 Vernon N. Reinhold.....Biology
 Slobodan V. Ribnikar.....Chemistry
 Henry Rosenthal.....Mech. Eng.
 Werner Schmitz.....Nuclear Eng.

Short Wave Listeners

The Brookhaven National Laboratory Amateur Radio Club invites any person connected with the Lab and interested in "Short Wave Listening" (abbreviated SWL) to apply for membership.

For those who don't know the terminology, "a SWL is a person who is not a licensed amateur radio operator but who does enjoy listening to amateur broadcasts, and foreign broadcasts."

The club has a radio shack located in the recreation building in the apartment area. It is equipped with some very fine sensitive receivers.

For further information pertaining to SWL, contact Kurt Lengweller, 20 Pennsylvania Ave., Ext. 7674.

The club meets the second Thursday of each month at 20:00 hours in the recreation hall in the apartment area. The next monthly meeting will be held on August 10, 1967, and all those interested are invited to attend. A film titled "Semiconductor Physics" will be shown, and refreshments will be served after the film.

—Harold

BERA Film Series

Thurs., Aug. 17 - 8 p.m. - Lecture Hall

Nothing But A Man

Directed by Michael Roemer. Starring Ivan Dixon, Abbey Lincoln and Gloria Foster. This is a distinguished moving film drama of the personal struggle of a southern Negro and his wife in a society hostile to them. A young railway worker gives up a good job to settle down and marry a school-teacher. His emotional adjustment to the university, age-old problems of earning a living and supporting a family, of living in peace and dignity, becomes poignantly difficult because the place is Alabama today and the man will not play the expected Negro role. Superbly acted by Ivan Dixon and Abbey Lincoln, the couple's struggle for dignity may give one insight into the present violent response seen recently in American cities.

Short: City of James Joyce

Views of places and people of Dublin, the city that captures Joyce's imagination; this film is insightful for those who would understand his characters.

Fairway Fables

by Sam LaPlaca



Left to right: Charlie Flood, Jim Tveekrem, Jim Morris, Mike Iarocci, Bill Tunney and Joe Cardamone.

The Brookhaven Golf League came to an exciting finish on August 2. Jim Tveekrem and Bill Tunny won the Red League. Charlie Flood and Joe Cardamone took the Blue League, and Mike Iarocci and Jim Morris won in the Green League.

The three winning teams played an 18 hole round robin to determine the two teams that would represent the BGA in the National Industrial Golf Championship Tournament to be played August 19 and 20 at Purdue University. After three very close matches, the Cardamone, Flood and Tveekrem, Tunny teams won the honor of representing us in this national event. We all wish them the best of luck and, win or lose, we are sure they will have a ball (golf, that is).

Golfers, do not forget the BGA Championship starting August 7 and running until September 3. Fifty-four holes medal play!

Showstoppers

at BNL Cabaret



Here are a few of the reasons why the Showstoppers '67 had the overflow audience applauding overtime. If you missed the show, clip the photos and save them - it's all there is until Showstoppers 196-.

Fish Tales

by John Tagliavia



Have you read that Biology has recently acquired a 17 foot Larson, powered by a 60 hp Johnson? This fully equipped, sleek, shiny rig sits atop a little dude trailer, ready to go. It is scheduled, as per the latest rumor, to play a key role in collecting 5 to 20 lb specimens of "Roccus Saxatilis" and "Pomatomus Saltatrix." I said scheduled, because, in spite of the fact that they are in possession of all of the latest equipment, they still lack the necessary manpower to do the job. Will all volunteers please contact Frank German.

The "Giant" launched his 17 foot aluminum boat at Wading River with the help of Captain Cooch and Bob Zoller last Sunday evening. They floated worms until 1:00 a.m. in a similar manner described by Tony Bono in a preceding article. Their sum total was one large sand shark. Their lack of success may have been due to the fact that they used lights periodically, not to mention that even in a sound-proof boat, Captain Cooch could sound like a herd of thundering elephants by just sitting still and quivering.

Except for the porgies and codfish, Montauk has been very quiet. Things should pick up soon, though, starting with Diamond Jigs at Plum Gut and spreading to include trolling, blue or yellow "Jiggiteels" at Shagwong on the incoming tide. The birds are the real key to the action at this time. Whether singly or in groups, watch them closely.

Bowling Registration

Now is the time for all good (and beginning) bowlers to sign up for next year's season. Application blanks may be obtained at the Recreation Office. Applications, with registration fee, should be returned before the following deadlines:

- Priority: August 11
- Deadline for all registrations: Aug. 26
- Ladies - where are you? Get those applications in for priority.
- Men - let's go.
- Check the Rec Office for bowlers if you do not have a complete team.
- There's plenty of room for teams in each league. Come on bowlers - let's go! Join the fun!

Tickets Available

Personnel Services

Recreation Office - 3 Center Street

Discount Tickets - Tickets may be purchased at a 20 percent discount. Schedules and prices are posted in the Recreation Office. All orders must be placed in person and accompanied by a check or money order made payable to the theatre at least two days in advance.

Bellport Gateway Playhouse - For an extended run at the Barn Theatre "The Fantasticks," at the Playhouse thru August 20, "West Side Story," from August 22 to August 27 "Marat/Sade," from September 5 to September 10 "Barefoot in the Park."

Greenport Summer Playhouse - August 10, 11, 12, 17, 18, 19, "Look Back in Anger," August 24, 25, 26, 31, September 1, 2, 3, "A Thousand Clowns."

Mineola Theatre - August 15 thru August 20, Jean Pierre Aumont in "Double Image," August 22 thru September 3 "Les Ballets Africains."

Wedgewood Dinner Theatre - Thru September 3, Tab Hunter in "Bye Bye Birdie."

Westbury Music Fair - August 22 to September 3, Carol Lawrence in "Funny Girl," September 5 to September 17, "Sweet Charity."

Discount Coupons - Mail in yourself and save up to 20 percent.

Jones Beach Marine Theatre - Thru August 30, Guy Lombardo's "Arabian Nights."

Madison Square Garden - August 30 thru September 14, "Holiday on Ice of 1968."

Discount Tickets - Take to the Theatre yourself and save up to 50%.

Morosco Theatre - Woody Allen's "Don't Drink the Water."

Special Coupon - 7th Annual Antiques Fair & Sales on August 16, 17, & 18 at Christ Church Parish Hall, South Country Road in Bellport.

BERA Film Schedule

Thursday 8:00 p.m. - Lecture Hall

- August 10 **An Evening of the Erotic and Sensual** (A program of 10 short films on this general theme)
- August 17 **Nothing But a Man**
Short: City of James Joyce
- August 24 **The Trial**
- August 31 **World Without Sun**
Short: Moscow Circus



Classified Advertisements

Autos & Auto Supplies

62 CORVAIR MONZA - 2 dr hard top, auto trans, good tires, bucket seats, excel cond. \$550. Ext. 2572, 732-8374 after 5:30.

57 CHEVROLET BELAIRE - Hard top, auto trans, in running cond. \$75. B. Kowalski, 744-3175.

63 FORD FAIRLANE 500 - 4 dr, ps, r/h, auto, 6 cyl, excel cond, very clean, avail 9/1. \$700. D. Galbo, Ext. 624, 2280.

56 VOLKSWAGEN - Beat up, runs. Priced under \$50. M. Helfant, Ext. 2348, 2278.

LATE 64 HONDA - 305 cc Super Hawk, white, w/mirrors & rak, low mi. \$425. AT6-0838 after 5.

65 HONDA S-90 - Excel cond. \$250. Mahoney, Ext. 548.

2 SNOW TIRES - 6.50x13 on Valiant rims. \$10. R. Lehmann, Ext. 2410, 2511.

64 OPEL KADETT WAGON - Good cond, over 30 mpg, owner leaving country. \$500. P. Dornan, Ext. 7656.

64 TEMPEST - 4 dr sedan, std trans, good cond, snow tires, avail end Aug. \$990. P. Dodd, Ext. 7268, HR3-6864.

61 COMET - Std shift, new tires, 23 mpg, excel cond. \$525. ED4-1162.

64 DODGE DART - White, 4 dr, sedan, 6 cyl, auto trans, radio, avail end Aug. J. Kubis, Ext. 2721.

AUTO BUMPER JACK - \$2. Henry, Ext. 613.

2 WHEELS - 15" for Rambler. \$2 ea. Ext. 543.

CAR RADIO - 12 volt, 7 transistor, 1 diode & thermistor, universal, fits most cars. \$15. C. Reed, Ext. 2182.

60 OLDSMOBILE - 4 dr, hard top, std trans, very good cond, almost new tires, battery & muffler, avail end of Aug. Ardon, Ext. 616, 7701.

2 WHEELS - Ford products, 1-13" Falcon, 1-14" Ford. Both for \$3. Bob, Ext. 7189.

65 VOLKSWAGEN - Like new, many extras, a real buy, white w/red interior. \$1050. R. Modesto, Ext. 2479. AN5-2889 after 6:30.

CARBURETORS - 6-2's Strombert 97's & intake manifold, for Chevy V8. \$75. B. Stepnoski, Ext. 2852.

4-71 BLOWER - GMC, for Chevy V8, brand new. \$300. B. Stepnoski, Ext. 2852.

61 MERCURY - Conv, good cond, ps/pb. Asking \$350. Ext. 2119, 929-6285.

56 WILLYS S/W - 4 wheel drive, 4 sand tires, good cond. Asking \$600. 929-6184.

65 CHEVROLET BELAIRE - Excel cond, std trans with overdrive. Olson, Ext. 7511.

60 OLDSMOBILE 98 - Tan, ps/pb, power windows, power seat, auto trunk release, reverb, em flasher. \$400. Gary, Ext. 7356, 929-4326.

66 HONDA - Great historical value, personal retreat vehicle of President Nasser. \$150. J. Melvin, 289-3190.

Boats & Marine Supplies

5 HP OUTBOARD - Old, but in excel cond. \$20. ED4-1162.

15 HP EVINRUDE - Just rebuilt, it's not beautiful, but it runs like a top. \$60. Jim, 878-2197.

11' NOVELTY RUNABOUT - "The Thing," fast & fun, doesn't leak. \$35. Jim, 878-2197.

14' RUNABOUT - Steering, controls, 18 hp Johnson, fast, dependable, ready for the water. \$300. Jim, 878-2197.

30' SKIPJACK - 9' beam, 28" draft, 115 hp 6 cyl rebuilt Chrysler Crown (about 10 hrs), tight hull, stand-up head, 2 bunks. \$1500. LT9-3269 after 6.

SMALL BOAT - 7', new cond, \$15; Marine steering wheel, bronze, \$5; 2 pr waders, size 11 & 10, both for \$5. 475-4627.

BOAT ANCHOR - Fluke, 20 lbs; propeller, 18", 1 1/4" shaft, good cond. F. Walsh, Ext. 2184, GR5-4312.

17 1/2' "SILHOUETTE MARK II" SLOOP - Marconi rigged, dacron sails, sleeps 2, aux inboard. 928-0645 after 7.

18' THOMPSON - W/ 61 Evinrude 40 hp outboard, elec start, all accessories, canvas top & cover, 2 gas tanks, ready for use, it's in the water. \$500. 281-7595.

16' SNIPE - Completely refinished this spring, varnished mahogany hull, new cockpit cover. \$400 firm 878-1975 after 5:30.

OUTBOARD MOTOR PROPELLER - For 90 hp Johnson or Evinrude, bronze, 10 1/4"x9", new, very fast, will develop 5000 rpm. \$20. Kazdin, Ext. 2260.

18' CB SLOOP - Must sell, make an offer. Ext. 367.

CHRYSLER "ACE" MARINE ENGINE - 95 hp, no manifold or carb. \$80. C. Reed, Ext. 2182.

BILGE PUMP - Jabsco "Water Puppy," used 1 season, 6 volt. \$10. C. Reed, Ext. 2182.

15' SCOTCHCRAFT RUNABOUT - 35 hp elec Evinrude, all equipment. J. Mann, Ext. 2221.

16' CRUISER'S INC. LAPSTRAKE RUNABOUT - 40 hp Evinrude, navy top, side curtains, mooring cover, in water. EM3-6037.

19' MORICHES BAY CB SLOOP - Fiberglassed hull, sails, 3 1/2 hp long shaft outboard. Best offer over \$300. Cockrill, Ext. 7676, AT6-3649.

PROPELLER - 16" right-hand 3-blade, bronze, 1 1/4" to 1" tapered hole with keyway, excel cond. \$30. Ext. 379, LT9-3269 after 6.

Miscellaneous

LAWN MOWER - Sears Best 20" rotary, grass catcher, aluminum body. \$30. Ext. 7605, AT6-0099.

TABLE SAW - Circular, 8" Craftsman, heavy duty, 1/2 hp. F. Walsh, Ext. 2184, GR5-4312.

TUTORING - In Latin, English (as a foreign or native language) & Greek by Ph.D. candidate at Columbia, experienced in hs & college teaching. Ext. 7147, 744-8473.

LADY KENMORE WASHING MACHINE - 1966, still 2 yrs + 2 mos guarantee; Speed Queen dryer; both excel cond. 475-8010.

DINING RM SET - Vermont Smokey pine, oval table 4 capt chairs, hutch, 1 yr old. Cost \$650, sell for \$300 728-4250 after 6.

FIRE-DOGS - Heavy dull-brass, classical Greek columns, \$20; walnut lazy susan, 23 1/2" diameter, \$7. 751-3062.

GIRLS' ENGLISH BIKES - Old, functioning, tiny & 20", \$8 ea; painted wood chest, 4 drawers, \$5. Ext. 2917.

PORTABLE SEWING MACHINE - 924-8529.

AUTOMATIC TOOTHBRUSH - GE cordless, rechargeable, used once. 924-8529.

24" COMMERCIAL FAN - Floor model, 1/2 hp motor, 2 speeds, perfect cond. \$39. Fitzgerald, 281-5721.

MAHOGANY SIDE TABLE - 2 drawers, 68"x21", \$15; filing cabinet, 5-drawer, letter size, \$40; book shelf, step-shaped, \$5. 751-3062.

ELEC SLICING MACHINE - Hardly used, \$5; wicker set, 2 chairs & table, \$10. Fitzgerald, 281-5721.

BICYCLE - Boys' 20" w/coaster brake & high-rise handle bars. \$12. Reed, Ext. 2204.

FENCE - 300' Post & Rail w/2 gates. Great buy at \$100. Ext. 2149.

WATER STORAGE TANKS - Polypropylene, 13 gals, 14" diam x 30" long, ideal for boats, campers, etc. \$10 ea. Petruk, Ext. 2142.

PEDIGREE BASSETT HOUND - Male, 2 mos old. 475-5118.

SHOTGUN - 20 ga. JC Higgins, bolt-action, very good cond. \$20. E. Gatz, Ext. 7233.

ALUMINUM STORM/SCREEN WINDOWS - 28x54, 30x56, 26x44. \$4 ea. Ext. 2492.

FOLK GUITAR - Gibson J50, hollow body, DeAmond pickup, hardwood plush lined case. \$160. Ext. 2492.

DISSTON POWER MOWER - Professional type, self powered, 6 hp Briggs & Stratton, recently overhauled, works well. Asking \$35. AT9-1339 after 6.

36" WALKING DOLL - 1 yr old, w/trimmings, \$8; 15 vols Nancy Drew Mystery Stories, "A" cond, \$7.50; start Christmas early. 281-5385.

EMENEE GOLDEN PIPE ORGAN - Excel cond, good for sm child w/musical bent. \$8 or best offer. C. Hull, 744-5969.

ROTO SPADER - Used less than 40 hrs, 4 hp, New cost \$160, asking \$80. Melvin, 878-1794, 8-9 a.m.

WESTINGHOUSE REFRIGERATOR - White, good running cond. \$35. Fitzgerald, 281-5721.

AURORA HO CAR SET - 55 ast tracks, cars, transformer, controls, all in good cond. \$35. GR5-0002.

COLLIERS ENCYCLOPEDIA SET - W/bookcase, \$45; Motorola stereo, needs cartridge, \$30. Jerry, Ext. 7789.

GUILD GUITAR - W/carrying case, excel tune & cond, steel strings, model A-50. \$150. G. Baker, 286-1218.

WESTERN SADDLE & BLANKET - Good cond. \$25. AT6-8175.

OIL PAINTINGS OF CARTOON CHARACTERS - Framed in oak, 2 9"x12", \$15 ea; 1 12"x16", \$25. Together, \$50. 281-3062.

WATER SKIS - 1 pair 69", never used, still in box. \$30. 281-3062.

PAINTINGS - Religious watercolor, 10"x14", \$10; painting of inlet, cabins, boats, etc, 27"x33", \$50. 281-3062.

SONY TC104 TAPE RECORDER - Solid State, auto recording level & shut off mike, jacks, tapes, used 10 hrs. \$85. G. Lellouche, HR3-3229 after 6.

FLOOR CONGO DRUM - W/stand. \$15. E. Gatz, Ext. 7233.

RUG & PAD - 11'x18', beige. \$50. 928-0466.

PORTABLE TV - Admiral, excel reception, \$30 firm; pr black lamps, lt green silk shades, \$25 firm. 744-6433.

ENLARGER - Omega D2V w/3 lens Wollensak 135 mm-75mm-50mm, 3 neg, carries 35mm-2 1/4 sq-4x5. Ed, Ext. 2461.

ZENITH PORTABLE TV - 12", w/factory warranty. \$90. Ext. 2805 after 6 pm.

DINING RM TABLE - Danish modern, 60-72", fiberglass padding, 6 chairs, glass front china closet, avail 9/1. \$135. Ext. 7505.

2 EXTENSION LADDERS - 1-20' (10' sections), \$15; 1-24' (12' sections), \$20; good cond. J. Ferrer, Ext. 7407, 878-0792.

HETTICK DELUXE HOMESTEAD TENT - Sleeps 6, 9'4"-13'2"x7'4", walls 5'8", nylon screens, zip rear door & storm curtains, incl 2 lg air mattresses, excel cond. \$75. Ext. 2410, 2411.

MAHOGANY DESK - Practical, sturdy, asking \$40; rugs, lamps, chairs, best offer. 744-8473.

12 GA SHOTGUN - Ithaca Featherlite pump, 30" full choke. \$70. B. Motto, Ext. 2410, 2411, JU1-5263.

HAND MOWER - Silent Scott, simple height adjustment, used once. Orig cost \$50, make offer. George, Ext. 644.

ANTIQUA - RCA Victor talking machine. AT6-1373.

SINGLE BED - Head & footboard, spring & mattress, good cond. \$20. P. Grand, Ext. 2481.

PIANO - Wurlitzer mahogany, like new. \$500. F. Bay, Ext. 445.

PICNIC STOVE - 1 burner, coleman, \$4; plastic jug, air insulated, \$1.50; plastic chest, double walls, air insulated, \$6. Matko, Ext. 613.

SEWING MACHINE - Sears Kenmore recent model zig-zag in cabinet, incl attachments. \$150 new, will sell for \$65. Kelley, Ext. 2827, 878-1648.

TRUMPET - Getzen, purchased spring '67, used only 2 or 3 times, absolutely in brand new cond. \$90. Bill, Ext. 2393, 724-3035.

BABY CARRIAGES - Folding car bed, \$5; folding coach, \$12; both w/mattresses. Tony, Ext. 2439.

CHAIR - Elderly overstuffed chair, wide arms, comfy. \$7.50 or best offer. Ken, Ext. 7733.

AMPLIFIERS - Dyna Mk II's, 50 watts ea, suitable for driving AR speakers. \$40 ea, 2 for \$75. Ken, Ext. 7733.

Houses

BELLPORT SOUTH - Spacious 4 yr cape, 4 bedrms, master bedrm 28x20, 3 baths, liv rm, mod fireplace, panelled din rm, fam rm, full basement, kitchen, garage, 3/4 acre. \$33,500. AT6-0099.

SELDEN - Split colonial, 1 yr old, 8 rms, 4 bedrms, 1 1/2 baths, garage, basement, appliances, fully landscaped, patio, fenced. \$19,000. Ext. 7684, 732-7649.

MASTIC BEACH - Ranch, 6 rms, 3 bedrms (lg master bedrm), 2 baths, laundry rm, full cellar, attached garage, s/s, 1/2 acre landscaped, built-in swimming pool. Sacrifice, \$16,500. 281-7245.

CENTEREACH - 3 bedrm hi-ranch, 1 1/2 baths, formal din rm, w/w carpeting, s/s, 2 car garage, patio, landscaped. E. Cranmer, 732-2936 after 5:30.

FARMINGVILLE - Cape Cod, 4 bedrms, 2 baths, basement, newly painted, big yard, near school, dead end st. Ext. 2287, AT9-0907 after 5.

NORTH PATCHOGUE - 3 bedrm ranch, oil hot water heat, fireplace, finished basement. 1 1/2 baths, quiet areas, extras. \$15,500. 475-4627.

WADING RIVER - 2 bedrm ranch, w/w carpeting, baseboard hw heat, double garage, landscaped, 130'x150', dogwoods surrounding area. 929-4714.

MILLER PLACE - 3 bedrms, 2 baths, L-ranch, 1/2 acre, heavily wooded area, 2 car attached garage. 928-0645 after 7.

BROOKHAVEN - 8 rms, 1 1/2 baths, colonial on bulk-headed lot, priv dock in rear, fine view of Bay in front, double garage, play area. \$33,000. AT6-0322.

SHOREHAM - 3 bedrm ranch, finished den, double garage, nice area. B. Brehm, 744-6885.

SOUTHAMPTON - 2 family house, 5 rms & bath up, 7 rms, 2 baths down. AT3-3431 after 6.

SHOREHAM - 4 bedrm custom ranch, playrm, 2 baths, hugh stone fireplace, sun deck, air cond, 2 car garage, heavily wooded 1/2 acre, 1 1/2 yrs old, beach rights. 744-2480.

MASTIC - Spacious 2 bedrm ranch, baseboard hw heat, 80x100 lot. R. Peterson, Ext. 7444, 281-9192 evenings.

FLORIDA COTTAGE - 5 furnished rms, bath, beautifully landscaped lot, near West Palm Beach. B. Petersen, Ext. 2248, 286-1366.

For Rent

3 BEDRM RANCH - Shoreham, finished den, double garage, nice area. \$140/mo. B. Brehm, 744-6885.

2 BEDRM HOUSE - 2 baths, kitchen, liv, din & florida rm, garage, beautiful grounds, Deerfield Beach, Fla, furnished, all util, monthly or season. 281-8708 after 5.

4 BEDRM CAPE - Bellport South, 4 yrs, 3 baths, liv rm, mod fireplace, panelled din rm, kitchen, fam rm, full basement, garage, extras. \$225/mo. AT6-0099.

FURNISHED APT - 5 rms & bath, all util, Patchogue Village, residential area. \$150/mo. F. Walsh, Ext. 2184, GR5-4312.

4 BEDRM HOUSE - Bayport, 2 baths, large liv rm, screened porch, near bay. \$250. Ext. 414.

3 BEDRM HOUSE - Brookhaven, liv rm, lg fam rm, completely furnished, 9/1-6/30 or 6 mos minimum. \$115/mo. H. Peters, AT6-8751.

3 BEDRM HOUSE - Bellport, near bay, completely furnished, all household equip, dinnerware, linens, avail 9/1. \$195/mo. AT6-0854.

4 BEDRM HOUSE - 9 rms, furnished or unfurnished, 1 1/2 blocks to bay, oil heat, Patchogue. 281-5208.

TENT FOR RENT - 10x12 high wall, some time still avail, reasonable. 273-6436.

3 BEDRM HOUSE - Brookhaven, avail 9/1. H. Widher, Ext. 7401. AT6-1048.

4 RM HOUSE - Enclosed porch, furnished, Sept-June, Wading River. \$125/mo + util. 929-6184.

Wanted

FUTURE HOMES - For black & white kittens, will be completely trained, ready in 2 wks. Uphoff, AT6-9602.

STUDENTS FOR ORGAN LESSONS - Hammond organ, beginners (young people preferred), at my home, openings for Mon, Thurs, Sat. W. Betz, YA4-3236.

POSITION FOR WOMAN - Child care in my home, avail sev days per wk. Mrs. G. Betz, YA4-3236.

ACCORDION PLAYER - To play for wedding reception. Kit, 744-2005 after 5.

RADIATOR - For '63 Fiat 1100D. 265-3982 after 2.

AUXILIARY GENERATOR - 220 V, 1500 watts. C. Hall, Ext. 548, 7117.

SNOW-WORTHY VEHICLE - Dependable, jeep, etc, must be in good mech cond, cheap price. 924-8529.

FLYWHEEL - For Evinrude 14 hp Fleetwin or for Elto 12. Gordon, Ext. 2416.

BABYSITTER - Starting 9/6, 3:30-6, Mon-Fri, in my home. GR5-6288 after 6.

FUEL INJECTION - or 4 barrel manifold for Carter AFB to fit Chevy 327 or 283. Christianson, Ext. 2376.

HOME - For two 6-wk kittens. Neuss, Ext. 342.

Carpools

STRATHMORE (S SECTION ONLY) - Openings for reliable additions to existing on-time, air conditioned carpool. D. Schweller, Ext. 2824.

FORM - Flexible carpool from Huntington. M. Leopold, Ext. 2549.

DRIVER - To complete 5 man carpool - Bellport. Reilly, Ext. 2520.

RIDER/DRIVER - Desired to complete 5 man carpool, Patchogue area. Ext. 2287, AT9-0807 after 5.

HAMPTON BAYS - Ride, share or exchange transportation, will make convenient pick-up. Kazdin, Ext. 2260.

RIDER/DRIVER - Would like to join or form, Hauppauge-Smithtown area. Sharon, Ext. 2513, AN5-0829 after 5.

FORM - Carpool from Deer Park area. P. McHugh, Ext. 7164, 586-3579 after 6.

Lost & Found

LOST - Girl's birthstone ring at pool on July 27, heart-shaped garnet w/2 white sapphires. Joe, GR5-1349.