

the Bulletin Board

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SEPTEMBER 22, 1964

DR. GOLDHABER ANNOUNCES NEW APPOINTMENTS

Dr. Maurice Goldhaber, Director of the Laboratory, has announced the following new appointments, effective September 21:

Dr. Rodney L. Cool has been named Assistant Director for High Energy Liaison. Dr. Cool, who has been with the Laboratory since 1949, will relinquish his position as Deputy Chairman for High Energy of the Physics Department.

Dr. R. Ronald Rau, a member of the Brookhaven staff since 1956, will assume the position vacated by Dr. Cool.

Dr. Yoshio Shimamoto has been appointed Chairman of the Applied Mathematics Department for the unexpired term of the late Dr. John W. Calkin, ending June 30, 1968. Dr. Shimamoto joined the Laboratory in 1954.

Dr. Joel Pincus will be Assistant Chairman of the Applied Mathematics Department. Dr. Pincus came to the Laboratory in 1959.

THIRTY-NINTH BROOKHAVEN LECTURE

By: SIMON FREED

Chemistry Department

Title:

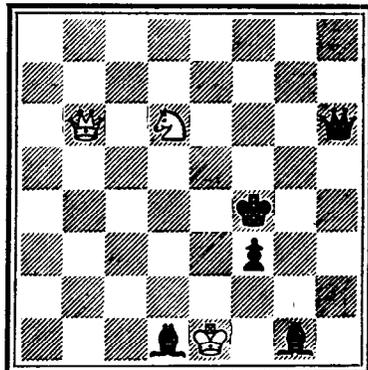
Chemical-Biochemical Signal and Noise:
Resolution at Low Temperatures

Lecture Hall - Wed., Sept. 23rd - 8:00 p.m.

A buffet supper (\$2.75) will be served at the Brookhaven Center before the lecture, beginning at 6:00 p.m.

CHESS PROBLEM

Black is far superior in material, but it is White's move and win.



BERA OPERA CLUB SEASON OPENS

Once again, it is Metropolitan Opera time and the BNL Opera Club will open for business on September 28. The purpose of the Club is to obtain Metropolitan Opera tickets under the auspices of the Metropolitan Opera Guild Educational Division.

As you know, obtaining tickets for the opera of your choice, in the location you prefer, on the date you would like, is often an impossible task. However, through the Guild we are able to satisfy a good portion of your requests. Only a certain number of tickets are set aside for purchase by Club members. It is therefore necessary to request tickets at least **three weeks** in advance. The further ahead the request is made, the better your chances of obtaining seats.

Orders for tickets (accompanied by checks) will be taken at the Recreation Office, 3 Center Street, daily between 9:00 a.m. and 1:00 p.m. A price list and seating plan are on hand there. However, requests for specific seat locations cannot be filled. Requests will be accepted for **general** seating locations only.

The Club is entitled to purchase fifty tickets (under \$6.00) throughout the season at a twenty per cent discount. These tickets will be available (limit of four) on a first come, first served basis.

The tentative schedule for the 1964-1965 Metropolitan Opera Season follows. Please keep in mind that it is subject to change without notice.

OCTOBER	20 Lucia	28 Hoffmann
12 Lucia (non-Sub.)	21 Otello (Mat.)	29 Otello
13 Rosenkavalier	Don Pasquale (Eve.)	30 Rosenkavalier
14 Rigoletto	23 Falstaff	31 Last Savage (non-Sub.)
15 Butterfly	24 Meistersinger	JANUARY
16 Lucia	25 Don Pasquale	1 Manon
17 No Matinee	26 La Forza	2 Figaro (Mat.)
Samson (Eve.)	27 Rigoletto	Aida (Eve. - non-Sub.)
19 Rigoletto	28 Manon (Mat.)	4 Lucia
20 Butterfly	Otello (Eve.)	5 Falstaff
21 Meistersinger	29 Welfare Gala	6 Boccanegra
22 Samson	(Guild Benefit)	7 Last Savage
23 Tosca	30 Don Pasquale	8 Aida
24 Lucia (Mat.)	DECEMBER	9 Don Pasquale (Mat.)
Rosenkavalier (Eve.)	1 Samson	Hoffmann (Eve.)
26 Rigoletto	2 Figaro	11 Butterfly
27 Lucia	3 Falstaff	12 Tosca
28 Samson	4 Otello	13 Turandot
29 Rosenkavalier	5 Lucia (Mat.)	14 Don Pasquale
30 Tosca	Meistersinger (Eve.)	15 Last Savage
31 Falstaff (Mat.)	7 Manon	16 Turandot (Mat.)
Butterfly (Eve.)	8 Rosenkavalier	Figaro (Eve.)
NOVEMBER	9 Boccanegra	17 Aida (Benefit)
2 Rosenkavalier	10 Figaro	18 Tosca
3 Samson	11 Meistersinger	19 Hollaender
4 Tosca	12 Rigoletto (Mat.)	20 Butterfly
5 Lucia	Tosca (Eve. - Benefit)	21 Figaro
6 Meistersinger	14 Lucia	22 Turandot
7 Rigoletto (Mat.)	15 Figaro	23 Falstaff (Mat.)
Otello (Eve. - Benefit)	16 La Forza	Lucia (Eve.)
9 Samson	17 Samson	Hollaender
10 Tosca	18 Hoffmann	26 Falstaff
11 Falstaff	19 Rosenkavalier (Mat.)	27 Hoffmann
12 Rosenkavalier	Boccanegra (Eve.)	28 Turandot
13 Don Pasquale	21 La Forza	29 La Forza
14 Meistersinger (Mat.)	22 Manon	30 Boccanegra (Mat.)
Lucia (Eve.)	23 Otello	Così (Eve.)
16 Butterfly	24 Lucia	FEBRUARY
17 Rosenkavalier	25 Rosenkavalier	1 Turandot
18 Manon	26 Samson (Mat.)	2 Aida
19 Tosca	Falstaff (Eve.)	3 Salome (Guild Benefit)

(Continued on page 2)

Arrivals and Departures

WELCOME TO BNL

BIOLOGY		
Alice J. Burton		Ext. 356
Geoffrey Hind		441
CHEMISTRY		
Joe V. Michael		
MEDICAL		
Stanley L. Johnson	7134	
Knud D. Knudsen	2885	
NUCLEAR ENGINEERING		
William A. Seibold		
PHYSICS		
Peter Alexander	7644	
Martyn J. Cooper	2503	
Giorgio M. Giacomelli	7612	
Kelvin K.Y. Li	7612	
Michael G. Munoz		
Olav Steinsvoll	7607	

RECENT DEPARTURES

CHEMISTRY	
Karl H. Heinzinger	
Elaine Rowland	
CENTRAL SHOPS	
William J. Vulpi	
COSMOTRON	
Jean-Louis Pellegrin	
MEDICAL	
Margaret E. Kulesa	
NUCLEAR ENGINEERING	
Donald A. Goellner	
PHYSICS	
William Galbraith	
Romeo A. Segnan	
Issachar Unna	

SOLUTION TO CHESS

- | | |
|--|--|
| 1. Q-N4 check | 1. K-N6 a good move because |
| | if 1. K-K6 |
| 2. Q-Q2 mate or if 1. K-N4 | |
| 2. N-B7 and Black would lose its queen, so | |
| 2. N-B5 check | 2. K-N7. White must be careful now because if the knight takes the queen |
| | 3. P-B7 would follow and B8 (Q) next so |
| 3. Q-N4 check | 3. K-R8 |
| 4. NxQ | 4. P-B7 |
| 5. K-B1 | 5. BxQ |
| 6. NxB | 6. B-R7 |
| 7. NxP mate. | |

FOLK SING

There is a weekly folk sing each Wednesday evening at 8:00 p.m. in the Recreation Hall. Bring your banjo, guitar, or voice for a night of folk songs from all over the world.

BNL OPERA CLUB (cont'd.)

- 4 Cosi
- 5 Hollaender
- 6 La Forza (Mat.)
- Aida (Eve.)
- 8 Cosi
- 9 Salome
- 10 Lucia
- 11 Hoffmann
- 12 Salome
- 13 Hollaender (Mat.)
- Tosca (Eve. - Benefit)
- 14 Turandot (non-Sub.)
- 15 Salome
- 16 Lucia
- 17 La Forza
- 18 Hoffmann
- 19 Wozzeck
- 20 Cosi (Mat.)
- Hollaender (Eve.)
- 22 Walkuere
- 23 Boccanegra
- 24 Wozzeck
- 25 Hollaender
- 26 Cosi
- 27 Hoffmann (Mat.)
- Salome (Eve.)

MARCH

- 1 Hollaender
- 2 Wozzeck
- 3 Cosi
- 4 Salome
- 5 Ernani
- 6 Walkuere (Mat.)
- Tosca (Eve.)
- 8 Cosi
- 9 Walkuere
- 10 Wozzeck
- 11 Ernani
- 12 Hollaender
- 13 Salome (Mat.)
- Vanessa (Eve.)
- 15 Ernani
- 16 Salome
- 17 Samson
- 18 Vanessa
- 19 Tosca (Guild Benefit)
- 20 Aida (Mat.)
- La Forza (Eve.)
- 22 Vanessa
- 23 Ernani
- 24 Walkuere
- 25 Tosca
- 26 Samson
- 27 Butterfly (Mat.)
- Turandot (Eve.)
- 28 Aida (non-Sub.)
- 29 Boccanegra
- 30 Butterfly
- 31 Ernani

APRIL

- 1 Aida
- 2 Walkuere
- 3 Vanessa (Mat.)
- Tosca (Eve. - non-Sub.)
- 5 Aida
- 6 Ernani
- 7 Turandot
- 8 Aida
- 9 Boccanegra
- 10 Ernani (Mat.)
- Walkuere (Eve.)
- 12 Turandot
- 13 Vanessa
- 14 Aida
- 15 Otello
- 16 Samson

OUTING CLUB

The Outing Club will meet on Thursday, October 8, at 8:00 p.m. in the Recreation Hall. Ralph Fairchild will give a slide-illustrated talk on his recent hikes through Mt. McKinley and Olympic National Parks. Fall canoeing and hiking trips will also be discussed. Call J. Powell, Ext. 7789, for further details.

NOVEMBER 5, 1964

(Might be a good idea to watch future BULLETIN BOARDS for this date!)

CAFETERIA SPECIAL

Thursday, September 24, 1964

Steamboat Roast
\$.75

CLASSIFIED ADS

FOR SALE

1962 VOLKSWAGEN - Black, r/h, w/w's, good cond. \$1,200. M. Flom, Ext. 2741.

1958 CHEVROLET - Station wagon, 6 cyl., std. trans., good tires, good cond., 2 tone blue. \$350. C. Clark, Ext. 2309.

1962 VOLKSWAGEN - Sunroof, r/h. Ext. 2727 or 281-6090.

1955 FORD - 2 door, std. trans., excel. cond., new tires, clean interior, rebuilt engine. Owner going to college. HR 3-0018 after 5:30.

1962 VOLKSWAGEN - Black, r/h, w/w's good cond. \$1,200. M. Flom, Ext. 2741.

1958 CHEVROLET - Station wagon, 6 cyl., std. trans., good tires, good cond., 2 tone blue. \$350. C. Clark, Ext. 2309.

1962 VOLKSWAGEN - Sunroof, r/h. Ext. 2727 or 281-6090.

1955 FORD - 2 door, std. trans., excel. cond., new tires, clean interior, rebuilt engine. Owner going to college. HR 3-0118 after 5:30.

1962 VOLKSWAGEN - Sedan, very good cond. \$1,095. M. Caunter, Ext. 2389.

1959 FORD - Station wagon, 6 cyl., std. trans., O.D., r/h, excel. cond. \$575. Ext. 484.

1956 CADILLAC - 4 dr., series 62, very good overall cond., rebuilt trans., new tires, battery, fuel pump & ignition wires, recent tune-up & front end alignment. \$500. C. Hamill, Ext. 2390 or AN 5-3934.

1961 VOLKSWAGEN - 2 door, 26,000 miles, roof rack, like new. Ext. 423.

1957 FORD - Fairlane 500, T-Bird engine, auto. trans., r/h, brakes relined, new muffler, tailpipe, fuel pump. Very good cond. \$300. Available Oct. 12. Ostman, Ext. 7733.

1957 MERCURY - 4 door auto. trans. \$250. Ext. 2432.

1964 CORVETTE - Stingray coupe, silver blue, blue interior, 365 hp, 4 speed trans., 4:11 positraction, AM-FM radio, mag. wheels. Best offer over \$3,900. LT 9-7775 after 5:30.

1954 FORD - Ranchwagon. Good reliable transportation. \$125. S. Cohn, Ext. 2891 or AN 5-0501.

1953 CADILLAC - 4 dr., good running cond. Good mileage, repainted. \$125. 878-1975 anytime or Ext. 2196 after 5:00 p.m.

1961 FORD FALCON - Std. trans., excel. cond., clean, new tires, new exhaust system. Owner needs money for trip home. B. Sehgal, Ext. 2741.

1957 FORD - Station wagon, 2 door, r/h, auto. trans., V8, good cond. \$295. Ext. 322 or HR 2-1289.

1959 FORD - Galaxie convertible. New w/w tires, top perfect cond., excel. running cond., r/h. Sacrifice, \$650 firm. J. Whaley, HR 3-3569.

1963 CHEVY II - 2 door, std. trans., excel. cond. \$1,200 firm. SH 4-2821.

1960 PEUGEOT - 4 speed, overdrive, 27 mpg, Dunlop snow tires, sunroof, reclining seats, orig. owner, clean, mechanically excel. \$550. C. Samberg, Ext. 2226.

1959 CHEVROLET - Impala convertible. V8, auto. trans., very good cond. \$750. E. Daw, Ext. 2589.

1961 CHEVROLET - Impala convertible, r/h, auto. trans., V8, full power. Can be seen Fri., Sat., Sun. AT 6-9199 or AT 6-0177.

1956 MERCURY - Black & white 2 door hardtop, r/h, body in excel. cond. in & out. Good running order. Must sell to best offer. Ext. 2535 or 669.

JAGUAR XK 120 COUPE - New XKE engine, close ratio trans., many spare parts, competition prepared "D" production. \$2,500. B. Barrett, Ext. 639 or 751-0359.

1962 VOLKSWAGEN - Sedan, excel. cond., \$1200. M. Renn, Ext. 695.

1963 VOLKSWAGEN - White, sun roof, excel. cond. \$1,350. U. Zahn, Ext. 625.

1957 FORD - Hard top, excel. mech. cond., good dependable transportation. A real buy at \$250. GR 5-3803 after 6.

1960 SAAB 93F - 58,000 miles. \$475. JU 1-1587 after 6.

1960 FALCON - 2 door sedan, r/h, 4 brand new w/w tires, good cond. \$500. D. Meany, Ext. 2410 or GR 5-2354.

1962 KARMANN GHIA - Convertible, red with black top, 4 new tires, r/h, orig. owner going abroad. Ext. 632 or AT 9-3755.

1962 RENAULT - Caravelle, Black convertible with removable hard top. Perfect cond. \$1,100. SH 4-9505.

HOUSE - 4 bedroom cape in Port Jefferson. 2½ car garage, approx. ½ acre of land, \$17,500. A. Olsen, HR 3-9285.

HOUSE - ¾ acre, Suassa Park area, Port Jefferson. 3 bedroom ranch, living room with fireplace, dining room, kitchen, 2 full baths, 2 car garage, mid twenties. Owner leaving Lab. HR 3-3822.

HOUSE - In Brookhaven, new 7 room ranch, 3 bedrooms, 2 baths, den, dining room, full cellar, hot water heat, attached 2-car garage. \$18,900. AT 6-1204.

18' SEA SKIFF - 1960, custom built with 1959 Mercury 60 hp in very good cond. Must sacrifice. AT 6-9161 after 6.

18' INBOARD - 1954 Lyman Islander with 4 cyl. Gray Marine. Boat & motor in good cond. but need paint. All extras. Must sell. \$800. Ext. 415.

11' DUCK BOAT - Plywood construction, all fiberglassed & painted. Ext. 423.

22' SKIFF - Shelter cabin, 109 hp Gray Marine engine. 4 cushion life preservers, fire extinguisher, bilge pump, anchor & ropes. Bottom is fiberglassed. 4 wheel trailer incl. \$695. Ext. 2201 or LT 9-2737 evenings.

24' SEA SKIFF - 1964 Chris Craft. Fully equipped incl. cradle. Sleeps 2, 210 hp V8 Chris Craft engine, 55 hours on engine. Immaculate cond. \$4,850. SE 2-3296 after 6.

SAILBOAT - Blue Jay, built in 1958, in water only 3 years. Used very little, good racing record. Excel. cond. Fuller, Ext. 2363 or AT 6-0747 after 6.

16' SAILBOAT - Snipe, good cond., in water. \$250. Bowman, Ext. 2410 or 281-5226 after 6.

22' SEA SKIFF - 100 hp inboard, cedar lap-streak const., cabin, lg. cockpit, in water, trailer incl. \$1,000. Lloyd, Ext. 388 or AT 6-1024.

RECORD PLAYER - VM, 1 year old, \$15. U. Zahn, Ext. 625.

TREES - White pine up to 6', \$1 each. You dig. Also Japanese black pine, yews, hemlock, all NYS inspected. Ext. 597 or AT 6-0436.

REFRIGERATOR - G.E., pink, freezer compartment. Also Ben Hur freezer, upright, white. OV 1-4507.

1962 MOTORCYCLE - Harley Davidson Pacer, 175 cc, complete with windshield, buddy seat, & saddle bags. \$300. Also Ham radio transmitter, Heathkit DX35 with variable frequency oscillator, both for \$45. Ext. 560 or 725-2623.

PUG - Pedigree, AKC reg., apricot color. 5 mos. old. All permanent shots incl. rabies. Housebroken. C. Dunn, Ext. 2389 or MY 4-4694 after 6.

DIVING EQUIPMENT - Voit deluxe Snuggpak tank, J safety valve, scuba Heathway deluxe 2 hose regulator, Snuggpak harness, weight belt, 3 weights. \$75 takes all. GR 5-1183 after 6.

BABY THINGS - New nylon playpen, \$8. Storkline buggy, \$9. Bassinet, \$2. A. Fleitman, Ext. 344.

PLAYPEN - Collapsible, in good cond., \$5. Ext. 2948.

FURNITURE - 150 year old pine corner cupboard, \$85. Victorian loveseat, excel. cond., \$75. Console sewing machine, \$25. Antique cherry drop-leaf table, \$75. 4 pine cornices, \$5 each. J. Whaley, HR 3-3569.

MISCELLANEOUS - China, glasses, pots & pans, other kitchen utilities, \$20. Bathroom scale, \$5. Iron & ironing board, \$7. Available immediately. 1962 Motorola TV, portable with stand, \$100. Available Oct. 12. Ostman, Ext. 7733 or SH 4-5542.

MISCELLANEOUS - Piano, sewing machine, dining table, chairs, rug, buffet, crib, living room chair, air conditioner, chest, desk, end table, iron & board, tricycle. Leaving for Europe, no reasonable offer refused. Ext. 2727 or 281-6090.

FURNITURE - 1 bedroom, 2 beds, 1 crib, 1 living room, 1 kitchenette, and several odd pieces. All in good cond. Ext. 2893 or SE 2-3021.

SECTIONAL - 2 piece covered in grey naugahyde. Also Lawson sofa in matching grey naugahyde. Ext. 2169 or HR 3-2614.

361 CHRYSLER "B" ENGINE - Bellhousing & stick transmission, plus chrome goodies. \$200. EM 3-6121 after 6.

COFFEE TABLE - Mahogany with red leather top, glass top. \$5. F. Enright, Ext. 2390.

REFRACTING TELESCOPE - Power from 64X to 266X, 60 mm objective lens, 2X Barlow lens, erecting and diagonal prisms, finder-scope, metal tripod, wood case. Less than 1 year old. Like new cond. Fuller, Ext. 2363.

MISCELLANEOUS - Castro convertible with 2 chairs; 12'x14' gray wool rug; 2 table lamps; dinette set, blond, 4 chairs, table 36 x60, and china closet; G.E. refrigerator, 25 x64, good running cond. YA 4-3472.

REFRIGERATOR - Frigidaire deluxe 10.3 cu.ft. 8 years old, in working cond. \$30. GR 5-8211.

OIL BURNER - Sinclair Model BN-3 B.T.U. 245,000 per hour, automatic controls. \$15. Pfister, Ext. 674 or HR 2-1409.

WANTED

K&E LOG-LOG SLIDE RULE - R. Bingmann, Ext. 644.

SOAP BOX HOT ROD - For 9 year old boy. Anything with 4 wheels & steering device (no motor!). Boy prepared to purchase out of accumulated allowance. Mother prepared to render first aid out of accumulated experience. A. Leonard, Ext. 7646 or HR 3-1740 after 6.

HOUSEKEEPER - Refined, reliable woman to care for adult home. Permanent position. LT 9-2951 any time.

HOME - Mixed breed puppies, 4 male & 2 female. FREE. N. Kelly, Ext. 2105.

HOUSE - Unfurnished or partly furnished 3 (or possibly 2) bedroom house in Bellport, Brookhaven, or East Patchogue areas. S. James. SH 4-5656.

BABY SITTER - For occasional evenings. In Shirley area. 3 young children, pay is \$.50 per hour and \$.75 after midnight. Mrs. Stelmack, 281-6026.

BABYSITTER - Woman with own transportation for a permanent job of caring for two children in my home in Brookhaven area. 8:00 to 5:30. M. Williamson, Ext. 2812.

FOR RENT

TRAILER - Completely furnished 34' trailer. 2 bedrooms, kitchen & living room combined. \$65 per month incl. gas. Wading River. WA 9-4817.

COTTAGE - In Shoreham Village. Completely furnished. Living room, 3 bedrooms, dining room, kitchen with utilities, bathroom. Few minutes walk to beach. \$130 per mo. 1 year (or longer) lease. Oil heat. Available Oct. 13. Ostman, Ext. 7733 or SH 4-5542.

APARTMENT - Furnished. In Selden. SE 2-4147 after 5.

APARTMENT - Unfurnished in Riverhead. 1 bedroom, bath, living room, kitchen. \$80 per month incl. utilities. 941-4186.

APARTMENT - 2½ room modern apartment, unfurnished. Heat & hot water incl. in \$90 per month rent. Heather Drive, Remsenburg, L.I. Ready for occupancy Oct. 1. GR 5-7046 after 5.

HOUSE - 3 bedrooms, unfurnished. North Shore location approx. 10 miles from Lab. Ready for occupancy mid-October. \$100 per month - utilities not included. SH 4-3857.

CARPOOLS

DRIVERS - Wanted to complete existing carpool from Port Jefferson area. R. Butera, Ext. 730 or P. Klotz, Ext. 778.

DRIVER - Wanted to complete existing prompt carpool from W. Babylon, N. Babylon, Bayshore area. G. Meinken or B. Crockett, Ext. 2200.

PASSENGER - Wanted for established carpool, Sayville area. Must be punctual. C. Cantera. Ext. 2376.

DRIVER - Wanted for existing carpool, Exit 32, So. State Parkway, Rt. 110, Amityville. F. Enright, Ext. 2390.

DRIVER - Wanted for 3 man carpool, Queens-Western Nassau area via Long Island Expressway. H. Kramer, Ext. 623.

LOST

WALLET - Man's black leather wallet. John, Ext. 2151.

FOUND

CAP - man's green suede, found outside Bldg. 134.

KEYS - in brown leather case.

KEY - found in back of T 100.

NAIL CLIPPER - on chain, found in Chemistry Parking lot.