

Chemist Wald Speaks On Latest Origin Of Life Theory

standing-room-only crowd filled the Faculty Room Thursday as Professor George Wald, distinguished Harvard biologist who is responsible for our understanding of vision, lectured "The Origin of Life".

Professor Wald began by explaining why a scientist studying the unvarying order of nature might talk about a seemingly one-off affair like the origin of life. He pointed out that one-shot affairs, "smirk of the super-natural," as he said, showed that life began in a natural way and that there are millions upon millions of planets similar to the earth, as probably started on many.

Using the historical approach, Professor Wald explained that the eighteenth century scientists believed in continuous spontaneous generations of life. As evidence they would show that a piece left out in the open would be covered with maggots. This theory of abiogenesis was upset by Francesco Redi who merely covered meat with screening to prevent flies from depositing their eggs. Spallanzani and Pasteur repeated Redi's experiments.

Far, the scientists had only found that life was not being created in modern times. But how did life begin? The only answer was that life must have originated spontaneously in some previous age under totally different conditions. Doubt with this theory was the large organic molecules (amino acids, etc.) found in all organisms would not be produced by living organisms, or this is what was found until Stanley Miller performed his now famous experiment in which he produced amino acids (building blocks of proteins) by passing carbon, nitrogen, oxygen, and hydrogen (in the form of inorganic gases) through a continuous electric spark.

The electric spark were replaced by ultra-violet light and if these gases were put in some medium of water, then amino acids were produced naturally from inorganic substances.

They have these molecules swirling around in the ocean, mingling with each other and becoming more complex. It is at this point that life begins, for the best molecular optimum size would have a chance of surviving and they use the worst molecules to

build themselves up. Everything is happening according to the well established rules by which molecules and atoms react with each other.

Skeptics might now point out that even if you created organic molecules they would be quickly destroyed. This would be true today, but we must remember that we are dealing with totally different circumstances. Organic molecules are destroyed by two methods: they are used by organisms or they are oxidized (burned). But at the time of creation there were no organisms to absorb these molecules and there was no free oxygen to burn them (the oxygen was either in water or in combination with metals, all free oxygen is produced by living organisms.)

Eventually molecules would build into a living organism which Dr. Wald likened to an enucleated (Continued on Page Six)

Neal Tonken Wins 19th Carr Contest With Horror Tale

Neal Jeffrey Tonken '64, of Roslyn, New York, is the winner of the 19th annual Carr Prize competition for skill in oral English. The decision was announced immediately following the final round of the contest, held in the debate room of Bulfinch Hall on February 14. Tonken, the only junior in the finals, won the first prize of sixteen dollars with his declamation of Edgar Allen Poe's bloodcurdling poem, "Silence—A Fable."

A second prize of twelve dollars was awarded to Robert S. McIlroy '63 for his rendering of "Bomb," by Gregory Corso. Bing Sung '63 ran a close 3rd with J.F. Kennedy's Inaugural Address, winning eight dollars. Colin Campbell's reading of "Smoke and Steel," by Carl Sandburg, won him the fourth prize of four dollars.

Capital Officials To Descend On PA For Stimson Dedication

By Morris Zukerman
Dignitaries will crowd Andover's campus this weekend for the proceedings in honor of the dedication of the Henry L. Stimson House, P.A.'s most recently constructed dormitory. Among the many invited guests will be The Honorable Felix Frankfurter, Associate Justice of the United States Supreme Court, and The Honorable John J. McCloy, Advisor to the President on Disarmament. Both of these men, who were very close personal friends of Henry L. Stimson, will deliver addresses to the school on Friday night and Saturday morning, respectively.

The weekend will begin at 6:00 P.M. on Friday evening at Phelps House, where Headmaster John M. Kemper will welcome the guests of the school at a reception. Immediately after the reception, a dinner will be held at the Andover Inn.

On Friday evening at 8:30 P.M. Justice Frankfurter will give his address to which the entire student body, faculty, and guests will be invited. A faculty reception will ensue at the Andover Inn at 9:30 P.M.

On Saturday morning at 10:00 A.M. the Senior Class will be welcome to come to the Andover Inn where an informal coffee hour will be held by the school for them and the guests. Mr. McCloy will speak

to the school in George Washington Hall at 11:15 A.M. on the subject of Henry L. Stimson.

The actual dedication ceremony will occur at 12:15 P.M. with Headmaster Kemper presiding. The Right Reverend Henry W. Hobson, President of the Board of Trustees of Phillips Academy, the Reverend A. Graham Baldwin, School Minister, and Joshua L. Miner, Housemaster of Henry L. Stimson House, will also participate. Immediately following the dedication will be a luncheon at the Andover Inn for the guests. Elting E. Morison, Professor of History at the Massachusetts Institute of Technology and author of a biography on Stimson, "Turmoil and Tradition: A Study of the Life and Times of Henry L. Stimson," will deliver a speech.

Future Nobel Prize Holders Publish In Science Journal

The first issue of the new Phillips Academy Scientific Journal is the product of much hard work on the part of Editor George Pieczenik '61. However, Andover's first experiment in scientific journalism is not as carefully constructed nor meticulously organized as the experiments described within the thin pilot volume. The articles are of three kinds: "inspirational", informative, and descriptive.

A reprint from "Germ Magazine" about a new process for testing disinfectants which was advocated by Mr. John Kimball, now a member of the biology department at P.A.'s while he was a senior here, is included in its entirety. The feature's inspirational force might have been heightened by rewriting to alleviate the necessity for three readings.

The second type of article is informative. Tim Standish's piece on electronic digital computers is comprehensible to anybody with some training in Mathematics. Embodied in it is an interesting proof that the square root of any positive number can be found using only the four basic arithmetic processes of

Mirror's "Frost Issue" Called Best In Years

By Benjamin W. White
Robert Frost admits that his poem "The Traitor", the featured work in the new Mirror, is not one of his best. Nevertheless, the early work of a great poet, superior stories, and greatly-improved advertising lay-out combine to make the Robert Frost Issue well worth its price.



Robert Frost, whose early poem is featured in the MIRROR.

Staring out from the cover of the June, 1952; Mirror, in which his poem first appeared, is the pensive face of Robert Frost. Thanks to Mr. Shertzer's skillful portrait, with bold but simple lines, this issue's cover stands out as a professional job.

In the first "Editorial Reflections," interesting enough to justify its existence, Dudley Fitts tells the story behind Frost's poem. Without paying undue tribute to "The Traitor", he rightly says that "as an acknowledged example of the apprentice work of the greatest of contemporary poets writing in the English language," it has a his-

torical and critical value that justifies its reprinting here.

Mike Beard begins the fiction with "A Good Deal". The story of a boy selling his soul to the Devil for the sake of being "cool," it has an ending which makes it interesting, if not skillful.

The style in William Damon's "The Egg Man" reminded us of Damon Runyan, but not the stereotyped characters. Characters aside, it is the touching story of a boy looking for truth in a dishonest world.

Tom Eyslin continues his amorous adventures in a well-written story, "Slingless in Philistia." Thwarted in love, he compares himself to an unsuccessful David against an invincible Goliath.

In "The Poetry of E. E. Cummings," Paul Warshaw criticizes that "terror of typesetters" for his "indulgence in technical affectations". Warshaw feels that Cummings' frivolous punctuation, misuse of parts of speech and technical idiosyncrasies represent a refusal to organize and a failure to communicate.

Composed of only the above contributions, this would be a good Mirror; but when those stories are combined with David M. Smith's "The Tragical Hysterie of Benner" (Continued on Page Six)

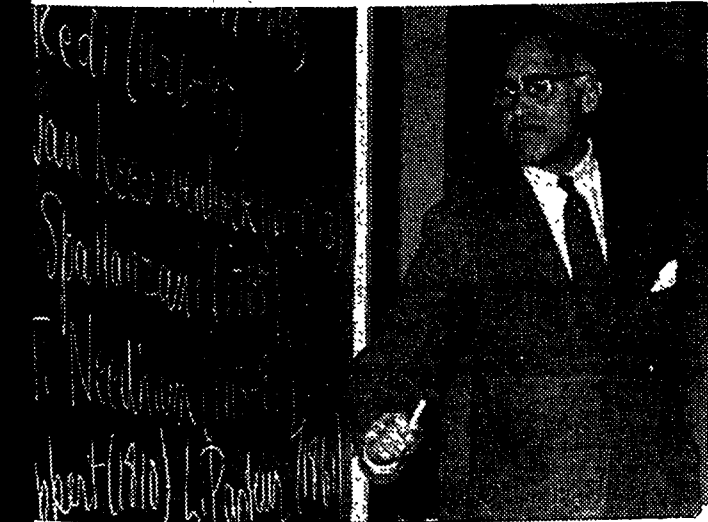
3 PA Grads of '60 Stress Attitude In Freshman Work

"Whether you fail or succeed at college depends on your attitude - not what school you went to." Thus Dean Benedict summed up an idea that predominated in the remarks of three Andover graduates in assembly last Wednesday. The three, Edwin Gustavus Quattlebaum, Robert Livingston Leroy, and James Buda Turchik, graduated with the class of 1960 and are now spending their first year in college. They returned to give the students some conclusions about their first terms as freshmen.

Quattlebaum, now at Harvard, spoke first about some of the greatest apprehensions students have about college. He said the work is not more difficult, but "there's just more of it" including heavy reading assignments. He added that, while Andover has a fine library for doing these reading assignments, the student at Harvard has his choice of going to one library and studying with the Radcliffe girls, or patronizing another and enjoying the comforts of air-conditioning.

Leroy found the first term's work at his college, Williams, largely a continuation of his senior year at Andover. He noted that prep school boys tend to let their studies slide compared to high school students who, impressed by the transition to college life, study conscientiously from the beginning.

The size and impersonality of a big college like Yale struck Turchik in his first days as a freshman. He felt the colleges do not purposely show a lack of concern for the individual but are simply more adult in their treatment of students. He said the work loads are not unbearable.



Professor George Wald, lecturing in Faculty Room.

Needed — A Competitive Laundry

For many students, the laundry situation this year has been intolerable. At the present time, all students except the few that can be handled by private laundresses must choose between walking downtown every week to pick up their laundry and dealing with Rutter's. They are faced with this dismal choice because of the abandonment of the wash-dry service provided at Graves Hall and because the administration has chosen to grant Rutter's the exclusive right to deliver laundry on campus. Many feel that the quality of Rutter's work is not as good as it ought to be. In addition, Rutter's prices are higher than those of most competing laundries. It has been argued that Rutter's gives students special reductions in price, because the cost of a Rutter's contract is less than the total cost of having Rutter's clean each item on it individually. But in spite of this discount, Rutter's still charges students more than other laundries in the area. It should also be kept in mind that the student who gets his money's worth out of the contract by using, for example, seven handkerchiefs a week is exceedingly rare. Mr. Gibson, the Director of the Bureau of Self-Help, has stated that the school will fulfill its obligation to Rutter's to maintain the monopoly for the remainder of the school year, but he has also indicated that he will consider introducing additional laundries for next year. We feel that such a move would be wise.

In order to understand the situation, it is necessary to examine the reasons that Rutter's was granted its monopoly in the first place. The most important of these is that Rutter's is financially sound. The administration is still haunted by the spectre of the three laundries that formerly served the school, all of which went into bankruptcy about fifteen years ago. At that time, the school spent several hundred dollars reimbursing students for money that they had lost. We fully agree that Mr. Gibson should thoroughly investigate the finances of any organization desiring to do business on the campus, but there must be several financially stable firms in the laundry business near Andover.

Control over the quality of the laundry services is another concern of the administration. Mr. Gibson has objected to some laundries because they "farm out" their laundry, rather than doing it themselves. He maintains that, under such circumstances, it is difficult for the school to regulate quality very closely. It appears to us that the most effective control on the quality of any product or service is competition. It is in a monopoly, not in free competition, that quality deteriorates and that some kind of artificial control becomes necessary. The presence of more than one laundry on campus would necessarily result in better service. A company that could not, or would not, compete would suffer a great loss of business.

Protecting the concessions of student agents is also of great importance to the administration. It seems only fair that any laundry that wishes to operate on the campus be required to deal through student agents and to pay them commissions for their work. A failure to do so would deprive many scholarship boys of money they now receive. However, the administration should recognize that a great deal of potential commission-money is being lost right now, due to the large number of students who deal directly with downtown laundries rather than with Rutter's. Presumably, if a competing laundry were introduced to the campus on the basis that it would pay commissions to student agents, much of this money would be recovered and the funds available to scholarship students would be increased.

Admittedly, the introduction of a new laundry to the campus would present problems. It would cause an increase in the number of deliverymen on campus, and it would further complicate the task of distributing student concessions. It would also necessitate a thorough investigation of the financial status of all the firms under consideration. These difficulties are important, but we do not think that they should be permitted to prevent the administration from making such a desirable change.

The PHILLIPPIAN

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Letters

We Must Fight

To the Editor:

The student chapel talk of February 16, as given by George Houppis, offered some rather nice thoughts on policy between the United States and the Soviet Union. Perhaps the only thing wrong with them was that they were, indeed, only nice thoughts.

He introduced the prospect of peaceful co-existence with the Soviet Union. He stated to the effect that the continual development and retention of military arms would only lead to war which would mean "total destruction" and the loss of our freedom, "our way of life." The Soviet Union has stated publicly that her aim is to bring up the next generation of the world's children under communism and to control the world in that manner. Since 1945 she has shown us that she is willing and perhaps able to do so. We have been challenged and we must answer!

Mr. Houppis said that he felt that Dr. Reischauer's plan of fighting aggression with aggressiveness was wrong and, as he said before, would only lead to "total destruction." When has a peace-lover ever been spared aggression? When has strength ever invited aggression? If we do as he says and do not show the Soviet Union that if she endangers our freedom and peace we will, as true Americans have done in the past, fight and fight hard, then, I agree, we will be totally destroyed! The only way to answer a challenge is with a stronger challenge! The only way to answer strength, is with strength! The idea of peaceful-co-existence with the Soviet Union is, I grant, a beautiful dream that all of us have, but, perhaps many of us, Americans should wake up and realize that if we want freedom, we will have to fight for it! Freedom has its price!

ALLAN JOHNSON '64

No Paradise

To the Editor of THE PHILLIPPIAN

I would like to take exception to some points made by Tom Evans in the January 16 PHILLIPPIAN.

1. Andover gives more freedom than you realize—admittedly, can not carouse late into the night as you can at Brown (though loses its attraction after the day); but the freedom you have is more important—you have freedom to make or break your own life.

Andover is not paternalistic; you can get away with idiotic behavior which would have you out of town or Hotchkiss in a minute, suffer nothing but loss of respect. You have a greater opportunity to flunk out, if you want, than most college students.

2. College freedoms are overrated—contrary to popular belief, college is not one continuous party. Most stories of college orgies have been blown up considerably in transit. For instance—at Princeton you can't have cars—at Brown freshmen can't.

Most schools have competitive athletics which are run so efficiently that the student, while subjected to endless bureaucratic rules, actually gets very little exercise.

Only two colleges allow girls' rooms, and in most other schools you're nailed if you're caught.

At most schools, you'd better cut the older professors, if you dare, to anything better than a nap.

While there are few actual parties at college, no administration hesitates to expell anyone who makes the school look bad by obnoxious behavior; in other words, school doesn't want you, it's hard to find a reason to put you out.

3. Prep-school boys are considerably more steady in their behavior than high-school products. You don't have cars, girls, etc. continually, you are learning to be your own boss. High-school students, you should remember, are under the constant supervision of parents, and don't have the freedom to develop the reasoning and decision-making powers, which are forced to develop at Andover.

I'm afraid Mr. Eyslin has an erroneous picture of college life. While I agree with his point about the balcony incident, I don't see his reasoning with regard to the effect of rules on the student. You are, in every respect, that matters, practically as we are in college—and as the rules in the Commons: A lack of discipline insures that who arrives a clod, will be a clod; a gentleman doesn't follow such rules anyway.

I hate to disillusion you, but "Yale" incidents are certainly an exception, and are more appropriate to the high-schooler than the college student.

DAVE DUNN

Philo, A Rebel Too — 136 Yrs. Ago

By Alan H. Durfee

Last month was Philo's 136th anniversary. The yellowed records of the first meetings show that it has changed a good deal since its founding in 1825 as a literary society with its own library and secret initiation. In those days, the average age of a Phillips Academy student was eight and one-half years; one was even six. Accordingly, the older Seniors had formed the Social Fraternity, exclusively for them, as their retreat from the the rest of the school. Before Philo this was the only Society on the Andover campus. Then Horatio B. Hackett, a Junior, tried to join it. Hackett, although well-liked in his class, was refused with the words: "This is not a society for babies." With three friends he then formed the Philo-Mathean Society (originally spelled this way), for babies and "literary improvement."

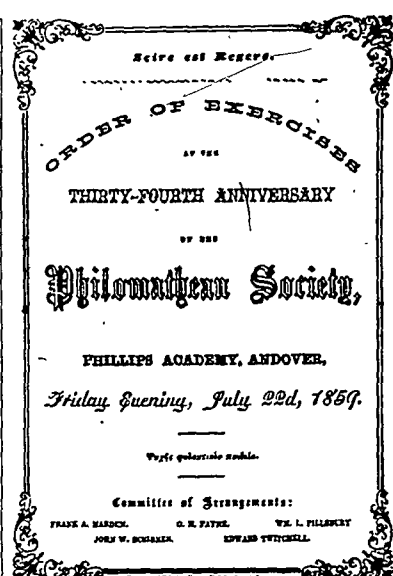
The Constitution adopted at the first meeting sets forth the society's "great object": "mutual improvement." This provision, and the one requiring the President at the end of his term of office to deliver either a written or an extempore address, are the only provisions of the original that have endured to the present day. The rest of the document is filled with provisions requiring any member, if charged with violation of laws, or disorderly conduct, to be expelled by a two-thirds vote; and requiring the President to remark on each performance, expose fallacies in debate, and to open each meeting with a prayer.

The records of the early meetings, the first of which was held on January 26, 1825, generally go like this:

Met, performed, and adjourned. or: Met, performed.

Met agreeable to the Constitution, performed. And adjourned.

Each member was voted in separately, his admittance recorded as a separate motion. Amidst motions of this type, one also finds, a rather abrupt: "Voted that brother Smith be dismissed." Later



on, a committee was chosen to admonish a member for being absent and to require him to give a reason. They followed their rules quite strictly.

Initiation into the society's fearsome and awful secrets was described thus by a member:

The end of the stage was connected with a dark closet in which sat a personage so arrayed as to present a tolerable impersonation of Beelzebub. The candidate was solemnly ushered into the presence of this being, who ordered him to kneel and address him thus:

*"If e'er these secrets thou reveal
Let thunders on thy forehead
peal;*

*On thy vile bones thy flesh shall
rot,
And witches dire round thee shall
trot."*

Debates in those days were on such topics as: "Do females possess minds as capable of improvement as males", a written one decided in the affirmative; "Would the freedom of slaves be beneficial to our country?", decision to the negative; "Who was greater, Columbus or Washington?" "Is the

condition of the monarch happier than that of the beggar?" Are females as worthy to be introduced into society as males?", also decided in the negative. Several years later it was voted that "in all debates, extemporaneous or written, there shall be no allusion to Scripture events in support of propositions."

Since Philo was a literary society at the first meeting they voted to have a library, which soon developed into a fine one of fifty-two volumes. None of these were novels, although later several were added. *Guy Manning*, by Scott, probably was a controversial novel, since the society voted that the President burn it. At the next meeting, however, they decided to reconsider the motion, and then voted to carry it into execution "immediately". Three years later, however, another copy was bought. One night a motion was made that Mr. Calahan should buy the *Life of Columbus* over the vacation, but it was rejected on the grounds that there "WAS NOT SUFFICIENT MONEY IN THE TREASURY." A large part of the society must have been interested in the ministry, since several books on that subject were added during the year. The library was open from two to three on Saturday. Every other week all the books had to be returned; failure carried a stiff fine of twelve-and-one-half cents.

But times have changed. The modern Philo is not a hard-to-join secret society. Reports on meetings are now a full page each. The emphasis in debating has changed from formal written speeches on vague topics to livelier, more informal extemporaneous speeches on national and international issues. These debates are usually held in the Oregon style, which includes a short cross-examination. The library has completely disappeared with Philo's literary interests. Edison has invented the electric light, and the bells have been moved to the Chapel.

Blue Hockey Rallies, Routs St. Paul's, 4-2

Basketball Losing String Extended to Four As BC, Northeastern Win

By Killer Kane

Wednesday, February 15 — Des- a solid performance by Bob who scored 19 points, P.A.'s basketball squad dropped third in a row, 97-75, to a taller, experienced squad from Boston College. Dave Richichi's 22 points and three other double-figure scores led the frosh to victory. Andover, hampered by the loss of Tom, stopped the visitors 13-10 at the half and were never better than that in the second half. Off the bat, Andover found a hot water. Bob Fitzmons, highest B. C. scorer, scored 10 points in the first quarter. Bill Johnston countered with seven but the Blue team couldn't match against their taller opponents. The score at the end of the quarter was 23-16 in favor of visitors and, at the half, they lengthened their lead to 13-10. Highlight of the second quarter for the Blue was a run of straight baskets by guard Moonves.

The third period found B.C. going out with several quick shots, Andover countering and bringing the margin down to 15-10, and B.C. finishing with a surge that knocked the Blue out of contention. Bob Holt popped in 10 points in this stretch while Richichi had his hottest quarter. The score at the end of the quarter was 71-49. This margin of difference was the final margin as teams scored 26 in the final period.

Wrestlers Smash Needham H. 22-16; Johnston, Dove Star

By Dick Blick

Wednesday, February 15 — The Varsity Wrestling team rallied from a 14-0 deficit to defeat Needham High 22-16. In its first win of the season, the P.A. mat team came back strong in the higher divisions after Needham's victorious in the first four classes.

In the 110 pound class, the Blue Mike Mayer against Needham's Bogar. Bogar, after a quick takedown, piled up 8 more points to give Needham a 3-0 lead. Wrestling in the 115 pound group, Tom Johnston, who had lost only once previously, suffered a close defeat to Needham, 6-5. Then Mike Sites lost his third match in a row by a pin, giving the opposition an 11-0 advantage. Dorsey Gardner, although pinned first, soon fell to Needham's Davis, giving the high school lead.

In the 133 pound class, Alec Walbanked Fiorentio to give the Blue a 3 point start. Captain Andy Johnston, after scoring on the take-down, scored three times more to give the match lead to 8 points. Higgins snatched the third shut-out, 5-0 over McQuade. Johnston, with the lead within his grasp, fought hard for a 1:39 of the first period, to give the Blue ahead for good.

Vanderwarker then added a shut-out by edging out Needham, 2-0. In the 167 pound class, Doug Wales battled to a 0-0 tie with Needham's Tatter-

Watson fought out an 8-0 victory over Needham's heavy-weight Gallo to give the meet by

By Ralph H. Hobart

Saturday, February 18 — A total of 28 points in free throws helped the Northeastern freshman basketball team defeat Andover by a score of 86-63. The Blue squad, which hit for only five points at the foul line, would have tied the game if it had equaled N.U.'s 28.

Despite Deke's revamped starting lineup, P.A. got off to a slow start, trailing 24-15 at the end of the first quarter. Another bad break befell the Blue when captain Bill Kingston sprained his ankle early in the contest, sidelining himself for the rest of the game. Kingston's injury is not serious enough to keep him out of Wednesday's important game against the Harvard freshmen. Bob Holt, high scorer for the Blue with 16, led Andover's first half scoring efforts with five field goals. By half-time the Fresh-

men had widened their lead to 47-30.

In the second half, although Andover-launched a slight comeback, they still could not control N.U.'s fabulous Ryan twins, Fred Ryan dunking 15 in the second half, while his brother Fran hit for 10 points. Mike Moonves equaled Holt's first half scoring with 10 points in the second stanza. Mike couldn't find the range until late in the game, his five field goals all coming in the fourth quarter.

The talented frosh, who downed the New Hampshire freshmen by 30 points, committed only 9 fouls to 23 for the Blue. N.U. also capitalized on Andover's aggressive play by hitting for 76% of their foul shots while P.A. managed to make only 46%. The loss evened the squad's record at 5-5; P.A. has now dropped four straight games.

Williston Swimmers Trounce Blue, 63-23

By Red Smith

Easthampton, February 18 — A stronger and deeper Williston team than the Blue had any reason to expect took firsts in six out of the eight individual events and swept the relays to crush the Andover swimmers, 63-23. Williston superstars Doug Morris and Duff Tyler won the 50- and 100-yd. freestyle respectively and anchored the freestyle relay team which left the Blue wallowing in its wake.

Captain Cy Hornsby collected the first of Andover's two victories as he won the 100-yd. backstroke by a comfortable margin with Tom Pollock taking third behind the home team's Leigh Adams. Dan Mahoney remained unbeaten in the dive; his point total of 62:20, although low for him, left him well ahead of Williston's Dick Sheldon and Paul Doty.

In every other event the home forces were unbeatable. Morris, who holds the national prep record in the 100-yd. butterfly, proved himself equally good at the freestyle as he won going away. Bill Bailey and Lee Rachmel then finished 1-2 in the butterfly ahead of Moose Hackett. Terry Phillips jumped out to an early lead over Stu Davis in the 200-yd. freestyle and the Blue lower could never catch up.

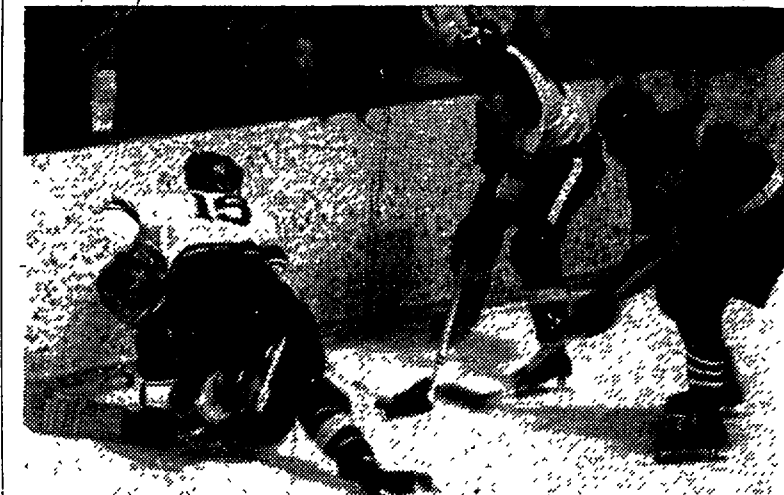
Pete Winship finished the first 75 yards of the 100-yd. breaststroke in a dead heat with Henry Cheatham and Carl Farrington, but the Williston duo pulled ahead on the last lap to sweep the event. Tyler, who set national prep records for 50 and 100 yards in an earlier meet, left everybody behind as he swam the 100 in 50.7 seconds.

Rachmel clinched the meet for Williston as he won the individual medley in 2:27.8. Andover's Davis, after lagging far behind in the breaststroke leg of his 200-yd. trip, put on a great finishing sprint in the freestyle to snatch second place away from Farrington, but Williston led, 49-23.

The Willies won a close race in the medley relay. Hornsby opened a body-length lead over Adams, but Cheatham caught up with Dick Vaughan, Bailey pulled ahead of Mike Mayers, and Dan Mahoney, swimming anchor man for the Blue, could not quite catch up to Bob Story in the freestyle.

Andover never had a chance in the freestyle relay as Jim Hamilton, Phillips, Morris and Tyler built up to a 20-yard margin of victory; the winning time, an extremely fast 1:33.7, was within one second of the Williston school record.

Iceemen Slip By Harvard J.V.'s Morrison Scores In Overtime



Andover and St. Paul's engage in crisp action against the boards during Saturday's game.

By Dick Howe

Wednesday, February 15 — Sparked by the clutch scoring of Jack Morrison and some timely goaltending from Dex Newton, the Andover hockey team eked out a 4-3 victory over the Harvard J.V.'s. Morrison had two goals, the second coming in the sudden-death overtime to end a rough, fast-moving contest. Newton stopped 32 Harvard shots, often coming through with a Blue player in the penalty box.

Harvard opened the scoring at 9:54 of the initial period when Downes took a pass from Connor behind the P.A. defense, skated in alone, and flipped the disc past the splitting Newton. But the Blue came back to knot the count less than three minutes later. Captain Bucky Sides, after taking a lead pass from Ed Graney, poked the puck past the Harvard net-minder. The Crimson scored again at 13:15 when Golden shot from fifteen feet out. Newton made a sparkling save, but the Harvard forward grabbed his own rebound and lifted it over the prostrate goalie. During the first period eighteen minutes of penalties were handed out.

Morrison got his first goal and Andover's second after two minutes of the second period had elapsed. The Crimson skaters broke the tie eight minutes later while Andover was shorthanded. Blakely rebounded Tyler's slap-shot and flipped the disc over the helpless Newton. The Blue again evened the score when Jobe Stevens deflected the flying puck onto the ice and knocked it under the confused goalie.

Morrison scored the winning goal (Continued on Page Five)

By Bob Frank

Saturday, February 18 — A Blue hockey team beat St. Paul's for the first time in six years as Dave Gibson, Bill Smoyer and Bucky Sides added three last period goals to Jack Morrison's second-stanza tally to overcome a 2-1 Red lead and give Andover a 4-2 victory. Dex Newton starred in the P.A. goal, blocking 24 of the visitors' hard shots.

With P.A.'s Jobe Stevens and Bill Mosenthal in the penalty box, defenseman Charley Stuart blocked many Paulie shots as goalie Newton made some terrific saves. Not to be denied, however, St. Paul's picked up the first goal of the contest as Harry Loomis slid the puck by Newton after the Andover goalie had stopped a tricky bouncer. Seven minutes later the situation was reversed, and St. Paul's had two off the ice. The Paulies' Ed Pillsbury and Tim Carter, however, prevented the P.A. sextet from capitalizing, as the penalty killers controlled the puck for most of the fifty seconds that they were playing two men short.

With three and one-half minutes gone in the second period, Smoyer stole the puck and drove in on the goalie with teammate Morrison beside him. After three rebounds Morrison fired the disk over the stick of the St. Paul's goalie to knot the score at one apiece. The Paulies then put on the pressure, but defensemen Stevens and Mosenthal were all over the ice stealing the puck and blocking shots.

Throughout the third period both teams kept up a fast pace as frequent breakaways were made on both goalies. St. Paul's broke the tie at 2:37 of the final stanza as John Mackay knocked in the rebound of his teammate Pillsbury's shot after a mad scramble in front of the P.A. goal. Twenty-four seconds later, Andover retaliated, as Morrison stole the puck and set up Gibson, who rifled the hard rubber into the upper left hand corner of the net. After goalie Newton stopped a St. Paul's breakaway, Morrison again stole the puck and flew down the ice, setting up Smoyer who flipped the disk into the net to give P.A. a one goal advantage. A minute and a half later, after Ed Graney stole the puck and broke on the goal, hitting the post with his bullet-like shot, Sides slammed the puck by the St. Paul's goalie for the final tally.

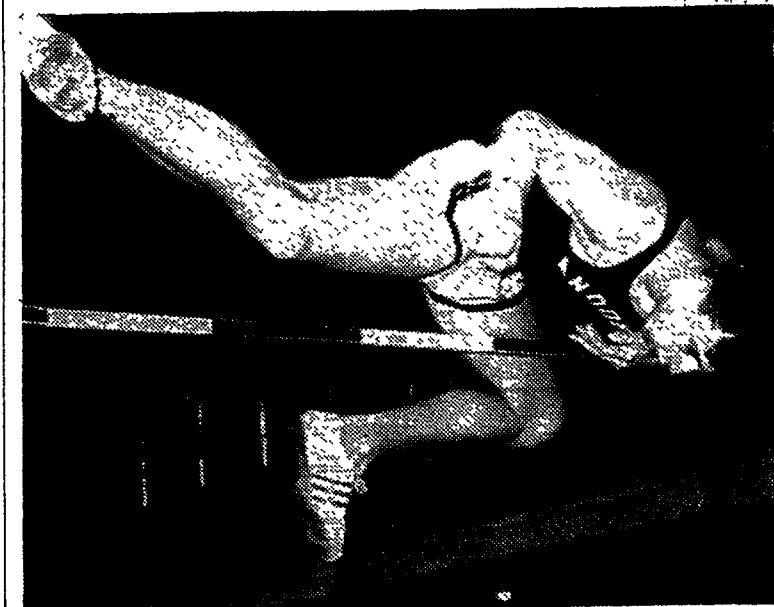
Houpis, Cahners Lead Track To Victory; Brown's Miler Farley Runs Record 4:18

By Mike Kaiser

Saturday, February 18 — Nine firsts and two sweeps out of twelve events gave the Blue trackmen a resounding win over the Brown frosh, 75-33. Only two Brown men were able to come up with top honors in their respective events, one 17-year-old Jim Farley, who established a new cage record of 4:18.8 in the mile. The crowd was treated to a fine exhibition of running, perhaps the finest ever witnessed in the cage, as Farley sped around the track lap after lap; and at the end he had lapped all but two of the runners, in one of the fastest mile's ever run on the Andover campus.

But aside from Farley, it was all Andover. Tommy Duhamel and George Houpis led sweeps in the broad jump and discus respectively.

(Continued on Page Six)



Steve Lemkin clears the bar at 5'8" to take 2nd in Brown meet.

Paulies Edge JV

Summary:

First Period: —
Second Period: Tiffany (St. P.) 9:09 (Asst. by Rancemeier) The Penalties: Dixon (A), elbowing (7:00), Plaelzer (A), interference, 9:05
Third Period: Penalties; Skisman (St. P.) interference, 4:38.

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Ski Team Edges UNH, 94-8 Squash Tops Dartmouth, 6

By Peter B. Eakland

Wednesday, February 15 — In a one-event meet at Boston Hill, the varsity skiing team defeated the University of New Hampshire frosh 94-88 as Dick Durrance, Chuck Lobitz, and Lanny Carter took the first three places.

Each of the 13 entrants in the slalom, the only scheduled event, raced through the course five times. The final standings showed the Blue skiers in clusters.

Capt. Dick Durrance, who also posted the best individual run of the day, copped first place. An improved Lobitz took second while Carter was third. Andover skiers Mike Smith, Ned Cabot, and Jim Griswold successively placed behind the New Hampshire trio of W. Taylor, Peabody, and D. Taylor to give Andover six of the first nine places.

Mr. Best said that the snow conditions at this meet were the best that the team experienced this year.

Blue skiers currently boast a streak of victories dating to early January. Mr. Best and squad are hopeful it will carry over to the Interscholastics in March.

By Jeff Stopford

Saturday, February 18 — bounding from two recent losses, the Andover squash team annihilated a befuddled Dartmouth Frosh man squad, 6-1. The victory P.A.'s record at five wins and defeats.

Peter Svastich started the rolling with a 15-10, 15-8, 15-6 triumph over Hop Potter. Ed Cox, following suit, polished off Redding 15-3, 14-16, 15-11. The Frosh's score came as Whit Foster, year's Blue tennis captain, jumped back from a two game deficit to overthrow P.A.'s Mike Rosati, 13-15, 15-11, 18-17, 15-11.

In the fourth position Andover Mac Rogers came from behind to stop Doug Judah, 10-15, 12-15, 15-4. Mike Cohen, squeaked an early effort of Wally Lord, turned the fifth match, 10-15, 15-12, 15-12. In the last two tests Jim Payne dumped Ryan, 15-11, 15-10, 15-1, and D. Adams overpowered George B. King, 15-10, 15-8, 15-3.

Kenneth P. Thompson

(Andover News Co.)

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On The Sidelines

Paulies Tender, Duff Tough

by RED SMITH

We're going all the way, barring sickness," said hockey coach H. Harrison before history class one afternoon last week. I listened believing. The St. Paul's game was coming up on Saturday, and Paul's is a name fairly well known in hockey circles, but anyone—there were many—who felt that Andover had its best team ever back up his contention with an impressive array of statistics.

Before Saturday the Blue hockey team had an 11-1-1 record. It had eight in a row. A magnificent offense had slapped in 72 goals to position's 26. The defense, which had lapsed once or twice early season, was beginning to tighten up with two shutouts in the last games. Lower Jack Morrison had 19 goals in 13 tilts, captain Sides 17. Morrison had been shut out only twice, once against College in Andover's only loss of the year, which came before was in a game Mr. Harrison would like very much to replay, and against Belmont Hill in a game Andover won in a walk-away. had been held scoreless only three times. Together the two had tied for half the team's large goal total.

was not surprised then, on returning late Saturday night from a Williston Academy with the swimming team, to learn that Bill r, Davey Gibson, Sides, and Morrison had netted the puck to give er a 4-2 victory. It was only the second time in 17 years that the ad beaten St. Paul's. As a matter of additional interest, Exeter by the Paulies 1-0 the week before.

he journey to Williston had been a long and arduous one. The meet was shorter but a great deal more arduous. If Andover learned ng, it was comparative scores are never to be trusted. Three weeks illiston and Deerfield swam to a 43-43 tie. Two weeks ago, in a hich will not soon be forgotten, the Blue upset the Green, 50-36. y everyone was prepared for another really close contest; but Willist- st have been playing cat-and-mouse with Deerfield and had gotten careless. This Saturday they were not careless.

ug Morris, who didn't have the courtesy to let Dave Kennedy's al prep butterfly mark stand for even a year, had a day of rest d the 50-yd. freestyle instead of the butterfly. He won it handily. yler climbed up on one of the ultra-high starting blocks, took d swam the 100-yd. freestyle in 50.7 seconds. The crowd groaned he time was announced—too bad, Duff. The muscular sophomore ing prodigy had done a 49.6 the week before and lost to a Yale an's 49.1. A second place time cannot qualify for a national prep but Tyler still holds the mark at 50.3 and the 50-yd. record at d he has two more years to work on them.

lliston brought out shock troops which must have been stored round during the Deerfield meet. They pulled some of their men out of the medley relay and still won it. The freestyle relay the saying goes, "stacked." I had the misfortune to blink my eyes anchor man Tyler left the block and so missed seeing most of yd. sprint, but I am told that he moved rather rapidly.

he trip, however, was by no means a total loss. There is a certain y in defeat at the hands of superior forces. Then, too, the hospit- ecorded by Williston Academy greatly impressed the Andover ers. The treatment we received was, I am sorry to say, conly better than that which is usually given visiting teams here over. And, of course, if the meet had been at home, the Abbot ho come in droves up the Hill to root invariably and squeakily e Blue's opposition, might have spurred Williston to an even victory.

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(Continued from Page Three)
at 7:54 of the overtime period with Harvard shorthanded, when he skated across the goal mouth and lifted another Gibson rebound high into the twines.

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Brown Track

(Continued from Page Three)

Although their distances were not outstanding, both looked ready for the Interscholastic's, as did many P.A. runners. Lower Andy Cahners walked off with both the 50 and the 300. His time of 5.7 in the 50 was barely enough to overtake Rosenthal of Brown at the tape. Houpis also copped the shot with a put of 53'1", to become Andover's second double winner.

In his first competitive 600, Farley again ran away from the pack in his heat, winning the race in 1:16.0. The race would have been a bit more interesting if Farley had been pitted against Gage McAfee, Andover's ace 600 man, who won the second heat with a slower time. Steve Hobson and Pete Huvelle staged the most exciting race of the day in the 1000. The two seniors fought right down to the tape, with Hobson fighting off a final lunge by Huvelle at the finish to win by a yard, if not less.

Upper Jack/Badman got off a heave of 52'9" in the weight, best of the season by an Andover man. Steve Sorota took second. Tom Phelps and Dennis Holihan took first and second respectively in the hurdles. Tony King took but one jump in the pole vault at 10'6", high enough for first place. He did not attempt any higher height because of an injured foot. Litzen won the high jump with a jump of 5'10", becoming Brown's only other winner. Steve Lemkin was second for the Blue.

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Mirror Review

(Continued from Page One)

House", the result is a superior issue. Smith has written a delightful play about a student revolt caused by the faculty closing down Benner House. He adds skill to this comical plot by writing it in Shakespeare's style, complete with blank verse, Elizabethan language, and terminal rhymed couplets. By printing only the first half of this amusing play, the editors are needlessly tantalizing their readers.

Of his five poems in the Robert Frost Issue, Peter Mott's "Messenger Unheard" stands out, describing the natural beauty surrounding a sleeping city. Dudley Pitts, of the English Department has a delightful poem completely in Latin. Although we have yet, to consult our Latin teacher to grasp the full meaning, we understand that it describes the reactions of various Faculty members to winter; "McCarthy," according to the poem, "damnum dat."

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Origin Of Life

(Continued from Page One)

amoeba.

During the question period Professor Wald cast doubt upon certain science fiction writers who look for life on other planets based on silicon instead of carbon. He suggested that if silicon were possible then it would have been on earth since the earth's crust contains 27% silicon and only 1½% carbon. He also showed that silicon dioxide, which would have to be the basis of any such form of life, is unsaturated and unstable. For this reason silicon dioxide molecules combine with other silicon dioxide molecules and eventually form a rock.

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Science Journal

(Continued from Page One)

equations with subscripts.

There is an article by William Kane on the beetles he has observed over the summer in the Grand Canyon area. This is neither the result of detailed study nor a comprehensive listing of various kinds of beetles. The information included should anyone have a use for might be found with greater detail in a nearby dictionary.

The heart of the issue lies in three technical reports on experimental work. Steve Hobson's work for recombination in a certain type of bacteria, George Pieczonka's work with radiation protection and Tom Johnson's study of C-phage, although probably incomprehensible to a large part of the student body, justify the publication of such a magazine. Whether or not they represent any important developments in science is important if they give P.A.'s future scientists a chance to try writing up their work for publication. These articles may even serve a greater purpose since the journal will be distributed to other schools whose students may be working along related lines.

Roby Meier

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