

RECORD

MARIST COLLEGE

Vol. II, No. 15

Poughkeepsie, New York

April 3, 1962

Dr. Grafton Chase Discusses:

"Fact and Fancy of Radiation Hazards"

Fr. Tos Lecture on Bible; To Write for Encyclopedia

by GEORGE HALLAM

Father Aldo J. Tos, instructor in Sacred Scripture here at Marist seems to have his work cut out for him. Between teaching at Marist and Our Lady of Lourdes High School, Father leads a varied and pressing life. Recently being asked to give a series of three lectures to an adult study group he travelled down to Irvington, New York. There at the Church of the Immaculate Conception the lecture series was started on March 11th with a lecture on "Christian Approaches to the Old Testament", the subsequent lectures being "Christian Approaches to the New Testament" and "The Bible and The Christian Life". The group which was addressed by Father was formed by the pastor of the Church, Monsignor Robert Brown, whose purpose was to acquaint the parishioners with the Bible in modern Catholic views and have this group act as a core to spread it through the rest of his parish.

An honor has come to Father Tos in that he has been asked by the Catholic Youth Encyclopedia to write eleven articles with a total content of 3,000 words in his field of Sacred Scripture. The Encyclopedia, which is being sponsored by Cardinal Spellman and being published by McGraw Hill Book Co., Inc. has asked Father to write on the following subjects: Rachel; Rebecca; Sara, Bar Cochba Simon; Berossus; Holiness; Issac; Jacob; Jehu; Joseph, Patriarch; Pontius Pilate.

The encyclopedia will be a ten volume work mostly for the use of high school students.

Another part of Father's life is being on the Executive Committee of the Religious Teachers Conference, which is an organization of all the high school Religion teachers in the New York Archdiocese and whose purpose is to help in the teaching of catechistics, by the use of study days and by articles in the organizations' newspaper Promise.

The Titan Received By Enthusiatic Audience

On Wednesday and Thursday evenings, March 28th and 29th the Night School Student Council presented several films in the college auditorium. These films initiated a community cultural program which is to be continued next year. Short subjects added variety to the program.

The first two, Marching the Colors and Serenal were of an abstract quality where color and symmetry were used to express the mood of the musical accompaniment. The third film gave a view of Venice not only as it stands today but also as it stood in the Middle Ages when it was a magnificent city of pomp and glory.

The main feature of the program was The Titan which showed the life of Michelangelo through his sculpture and his art. The film leads us from the early learnings of the great artist under the patronage of the Medicis up to his work on the dome of St. Peter's, which was one of the last works which he undertook. Throughout the film the flavor of the time of the Renaissance was aptly brought out in the art of not only Michelangelo but also the other great artists of this period.

The views of the works of Michelangelo were given new meaning in their handling which is unhurried. The narration of Frederic March also gave to the film a certain insight into the character and temperament of Michelangelo.

The large audience who came from far and wide around the Poughkeepsie area were full of acclaim for the film and many expressed an interest in seeing future films of this cultural content. Other films will be shown in April and May, Mr. Ruggeri, Chairman of the program, announced, as a result of the favorable response to this initial offering.

by DENNIS ST. JEAN
& JAMES PENNELL

Are the effects of fallout as bad as people think? Does radiation mean certain death? These are some of the questions which were asked last Friday night by Dr. Grafton D. Chase in his lecture, "Fact and Fantasy of Radiation Hazards." The lecture was mainly concerned with clearing up many misconceptions which people have regarding the atom. Dr. Chase pointed out that people were once afraid of the automobile, but that they have learned to live with it. This, he said, we must do with regard to the atom as well.

Dr. Chase received his B.A. in chemistry from the Philadelphia College of Pharmacy in 1943. Upon graduation, he entered the armed forces and served until the close of the war. He went back to school, and in 1951 he received his M.A. in chemistry from Temple University. From the same institution, four years later, he received his doctorate in physical chemistry.

In his lecture, Dr. Chase stressed one predominant thought, that what everyone usually thinks of in terms of radiation danger is more often than not fantasy, and that it isn't so bad after all. He quoted numerous facts, and by means of slides he explained that of all the radiation we receive, only 3% comes from radioactive fallout.

There are, he said, many natural causes of radiation, the earth, houses, and to most everyone's surprise, the human body itself. According to the diagrams which he presented, 20% of all the radiation to which we are normally subjected comes from sources within our bodies, in the form of potassium 40, carbon 14, and radium 226. By quoting these figures, Dr. Chase dispelled many false notions which people have concerning radiation which we receive from fallout as a result of nuclear testing.

There are three kinds of radiation—alpha, beta, and gamma. If the source of the radiation is outside the body, our greatest danger lies in being struck by gamma rays. These are electro-mag-

(Cont. on P. 4)

CREW MEETS
at St. John's
Sunday April 8

The RECORD

Editor: James Callahan
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Feathers, Crabs, And All That...

"... Can you row?" the Sheep asked, handing her a pair of knitting needles as she spoke.

"Yes, a little--but not on land--and not with needles---" Alice was beginning to say, when suddenly the needles turned into oars in her hands, and she found they were in a little boat, gliding along between banks: so there was nothing for it but to do her best.

"Feather!" cried the Sheep, as she took up another pair of needles.

This didn't sound like a remark that needed any answer: So Alice said nothing, but pulled away. There was something very queer about the water, she thought, as every now and then the oars got fast in it, and would hardly come out again.

"Feather! Feather!" the Sheep cried again, taking more needles. "You'll be catching a crab directly."

"A dear little crab!" thought Alice. "I should like that."

"Didn't you hear me say 'Feather'?" the Sheep cried angrily, taking up quite a bunch of needles.

"Indeed I did," said Alice: "you've said it very often--and very loud. Please where are the crabs?"

"In the water, of course!" said the Sheep, sticking some of the needles into her hair, as her hands were full. "Feather, I say!"

"Why do you say 'Feather' so often?" Alice asked at last, rather vexed. "I'm not a bird!"

"You are," said the Sheep: "you're a little goose."

This offended Alice a little, so there was no more conversation for a minute or two, while the boat glided gently on, sometimes among beds of weeds (which made the oars stick fast in the water, worse than ever), and sometimes under trees, but always with the same tall river-banks frowning over their heads...

... They hadn't gone much farther before the blade of one of the oars got fast in the water and wouldn't come out again (so Alice explained it afterwards), and the consequence was that the handle of it caught her under the chin, and, in spite of a series of little shrieks of "Oh, oh, oh!" from poor Alice, it swept her straight off the seat, and down among the heap of rushes.

However, she wasn't a bit hurt, and was soon up again: the Sheep went on with her knitting all the while, just as if nothing had happened. "That was a nice crab you caught!" she remarked as Alice got back into her place, very much relieved to find herself still in the boat.

"Was it? I didn't see it," said Alice, peeping cautiously over the side of the boat into the dark water. "I wish it hadn't let go -- I should so like a little crab to take home with me!" But the Sheep only laughed scornfully, and went on with her knitting....

Lewis Carroll's Through The Looking Glass

can be many things to many people.

THE RECORD is published every Tuesday of the school year, exclusive of vacation and examination periods, by the students of Marist College.

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INTRAMURALS

by JAMES PIZZANI

With the closing of the basketball season, the intramural program now plans a six team intramural softball league. Today the Don House has captured the football crown while the Manor House the basketball crown.

The league standings were as follows:

House	Won	Lost
Manor	5	0
Park	4	1
Senior	3	2
Guard	1	4
Hudson	1	4
Don	1	4

The softball loop will commence Monday afternoon, April 2nd with Don House meeting Guard House at Shamrock Field. All games will be played on Monday, Wednesday and Friday at 3:30 at Shamrock Field.

Winner of the softball loop will receive a large team trophy to be placed in the lounge. The schedule will run from April 2nd to May 18th. Director of Athletics Brother William Murphy also has laid plans for tennis and track intramural teams.

Crew on River Twice Daily; 6:30 AM and 3:30 PM

The shells finally got into the water last Wednesday as the Red Foxes began to step up their workouts in preparation for the meeting with St. John's University on April 8th at Travers Island.

For over a week the oarsmen had been on tenterhooks waiting for the floats to be placed in the river. Since February 15th, the crew has been working out on the rowing machines so that when the Hudson appeared clear of ice last Thursday, there was a mounting wave of excitement over the prospect of getting into the shells.

Finally the floats were placed in the river and the Red Fox launch immediately went down to the Poughkeepsie docks and hauled them into position. On Wednesday, March 28th, three boatloads of oarsmen set out along the historic "Regatta Row". The next morning at 6:30 A.M., they were back on the Hudson for a pre-breakfast workout until 8:00 A.M., and will continue their twice-a-day schedule until this Friday. "These early morning workouts are the boys' idea," said Coach Joe Catanzaro. "They asked me if they could get two sessions in every day until the St. John's races. I could hardly say no in the face of their enthusiasm."

At present the varsity boat consists of G. Smith (coxswain), J. Callahan, (stroke), M. Chiriatti (bow), R. Mead (no. 2), J. Doss (no. 3), E. DiSanto (no. 4), W. Herbst (no. 5), J. Daley (no. 6), A. Campilli (captain and no. 7).

Lighthouse

by THOMAS HEFFERNAN

The tremendous gap, socially, economically and politically, between the underdeveloped nations and the West is both an affront to the concept of international social justice and a serious threat to world peace. And, it is upon this gap the Communist world places emphasis in its attempt at world conversion. Therefore, the United States developed a policy of foreign aid which has as its purpose to raise the people socially, to give support to the recipients' economy, and to stabilize the government.

Under the Marshall Plan the recipient nations achieved these three goals. They secured them because there was a provision for adequate funds, which were large enough for them to become self-sustaining. Thus when the ailment was cured, the medicine was no longer needed.

After ten years the main argument concerning foreign aid is not whether it should exist but how it should be supervised and allotted. The past and present administrations have given funds to Tito, the head of Yugoslavia. This allotment allowed Tito to gain governmental independence and to alter his ideology from that of Russia, but he still retained the essential Communist ideology, and today both big brothers are together again. We give this support because we are blind to the fact that all Communism is our enemy and that the cold war which we are now fighting is as real as the World Wars.

The other cry is that foreign aid is draining our gold supply. This is a delusion. It is estimated that more than eighty percent of the aid returns to us in the form of purchased goods. The gold, in reality, rarely leaves the United States reserve.

The present administration's foreign aid policy to South America is known as Alliance for Progress. What we fervently desire by this policy is to gain allies and sincere friends. We want a close relationship and one without secret alliances between our allies and our enemy. Since the recipient sometimes abuses these gifts by either sheer waste, graft or improper use, the Kennedy administration has set a social and economic standard which must be met before a fund is granted and has required a long range development plan of each receiver. Troubles will be encountered in the acceptance of this policy. The Argentine peso is in danger of devaluation. The leftists are causing trouble in Venezuela. There is political anarchy in Brazil.



by PETER HANLEY

Brazil, continuing to steam American assets within her borders is scheduled to receive a fat share of the funds of Alliance For Progress. The United States is not expected to make any objections.

Ciudad Trujillo, capital city of Dominican Republic, was recently overrun with riots. Very little was harmed, save a few U.S. diplomatic buildings. Dominican Republic owes her past and present wealth to American dollars given cum gratis by Uncle Sam.

Yugoslavia, ruled by pro-Red (to say the least) Tito, has received a healthy supply of American jets and is having his pilots trained in this country. Washington is of course picking up the tab.

I surely agree with a program of foreign aid to our allies but raise violent protest when the American taxpayer's money is spent recklessly or used to quell the whims of one or more Washingtonian policy makers. Naturally, alert foreign nations will scramble to establish their names as a part of the United States Foreign Aid mailing list; to turn down free money or aid would be both wasteful and asinine. It should be seen then, that the problem existing is: Are our political leaders keeping the interests of America in mind when they venture to spend our resources in foreign lands? A study of the situation seems to compel a negative reply.

Is it too much to ask then that OUR elected representatives made a deeper study as to where they are spending OUR money and in what ways it is used. Is it too much to ask that these representatives remember that friends cannot be bought?

Foreign aid was established as a result of a loose interpretation of the Constitution and never once has it been put to a popular vote of the people. This however, is not my major argument against it. If controlled, foreign aid can definitely be considered a worthwhile defense against our enemies. I instead tend to think that in the hodgepodge of capitol maneuvers the situation has gone a little out of hand and I for one anxiously await a detailed investigation by one or another American agency like the USIA (oops), like the CIA (oops), ---well by some American Agency.

And, there is a great reluctance, by South American nations, to draw up a long range development plan. These all appear to be minor obstacles with the likely probability of being solved in a few months.

Tanks "Invade" Campus

On Wednesday, March 29th, at approximately 11 A.M., two tanks came rumbling down Route 9, turned left at the Water Works Road, and proceeded to enter the northern end of Marist's campus. This was not an attack; it was merely the result of Poughkeepsie's National Guard unit desiring extra practice in preparation for their fall maneuvers. They received permission from the College to practice the stationary operations of the equipment, such as the loading and unloading of the guns with dummy shells. This will continue until the unit goes on maneuvers in September.

Fleur De Lis Plans Panel

The Fleur de Lis has announced plans for a panel discussion on "Travel and Study Abroad". Plans are to have the panel made up of the faculty from the language department and the students of Marist. The date which has not yet been approved by the Student Council would be Tuesday, April 10th, at 8:00 P.M. This panel discussion is in conjunction with National Foreign Language Week.

Guest Speaker Named For Parents Day

Mr. Donald B. Miller, Administration Manager at the IBM Product Development Laboratory will be the guest speaker at the second annual Parents' Day to be held this Sunday.

Mr. Miller, who holds a Bachelor of Science degree from the University of Rochester, and a Master of Business Administration degree from Columbia, is a member of the Education Department at the IBM Laboratory. He is also a member of the Society for Engineering Education and Chairman of the Board of the Arlington Rotary Club.

Parents' Day will start at ten o'clock with a Mass and Benediction of the Most Blessed Sacrament at Our Lady Seat of Wisdom Chapel with College Chaplain Rev. James A. Driscoll, O.P. as Celebrant. A buffet brunch will be served at Spellman Library at which time the parents will be addressed by Mr. Miller. James Coombs, Student Council President will act as toastmaster with Brother Paul O. Stokes, FMS, College Dean and Brother Daniel Kirk, FMS, Acting President also scheduled to speak.

Tours of the campus will take place at one o'clock with a showing of the Marist Theatre Guild presentation of Two Blind Mice to follow at two. Parents, students and faculty will meet after the play for an informal social.

Chairman of Parents' Day this year is John R. Christie, a freshman English major from Wappingers Falls, N.Y.

Track Team Begin Daily Full-Scale Workouts

by JOHN DWORAK

In the field events, Pete Hanley, Pat O'Leary and Mike Mangiameli are throwing the discus, shot, javelin and hammer. There had been tentative plans for a mile relay team to be sent to the Penn Relays but the lack of proper training time halted this.

The distance running is being done by Ed Moetzinger who has been working out on his own the whole winter. George Hallam, Joe Ianelli, Pat Berardi, Paul Nigra, John St. Denis, Bob Graziano and Bob Van Aernem are all participating in the running events. Graziano is particularly intent on the sprints. Terry Macken has been working on the high jump and Greg Tucci is out for the shot put.

Brother Richard said that this spring's workouts will be aimed at the

The Marist College track team, under the direction of Brother Richard McCarthy, has begun its first full scale workouts. The team has been hampered by the cold weather and only now has a definite plan of training been worked out.

Brother Richard has been enthused by the response of the students but was happy to note that he encourages all people interested to come out. Experience is not a requirement.

The school has made arrangements for the team to work out at the Arlington High School track till suitable facilities are completed on the campus. These handicaps have not deterred the interest however. At the present time there are about fifteen men out and they are participating in all major events except the hurdles and pole vault. that this practice will condition the men to a more strenuous program in the fall.

(Cont. from P. 1)

netic waves very similar to X-rays. Once radiation has penetrated our bodies, alpha particles become the most dangerous and gamma the least dangerous. This is because alpha particles, which are not able to penetrate matter, become trapped inside our bodies and expend their energy there. Gamma rays on the other hand, are able to penetrate matter very easily. They pass right through our bodies, and little harm is done, if any, if their energy is absorbed by the body.

The next topic with which Dr. Chase concerned himself was the biological effects of radiation. The genes or trait-bearing factors in our body can be distorted by radiation in such a way as to produce offspring which we call "mutants". These mutants have some defect in their physical make-up, however slight, which may be attributed to the

effect which radiation has upon our genes. These mutants are not "freaks" because the damage which is done to the genes is usually not of the nature to produce any drastically distorted or misshapen physical characteristics. The real trouble lies in the fact that these muted genes continually reproduce others like themselves which presents a real problem in the natural course of events in human reproduction.

One factor which accounts for a rise in radiation, and these mutations, is the explosion of multi-megaton bombs. This gives rise to the question of whether or not atmospheric testing of nuclear weapons should be resumed. Dr. Chase said we must consider the over-all good and not the welfare of just a few individuals. Very few persons die from radiation due to fallout each year.

The lecture was given in conjunction with the traveling exhibit of the U.S. Atomic Energy Commission, entitled "Atoms in Action". The exhibit is currently being displayed in the Cardinal Spellman Library and is open to the public.

Everyone who attended the lecture came away with a clearer understanding of the real facts concerning radiation and radioactive fallout. Many misconceptions and false notions were dispelled, and the talk most certainly was a valuable insight into the real problem of radiation.



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