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 the 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; Berosus; Holiness; Isaac; 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 Enthusiastic 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 Seronal 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 event 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.

CREW MEETS at St. John's
Sunday April 8

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 1931. 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 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...
..."Can you row?" the Sheep asked, handing her a pair of knitting needles as she spoke. Alice, a little quizzical, got up at once, and then the oars went fast in it, and hardly came out again.

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

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

"In the water, of course!" said the Sheep, sticking some of the needles into a large wicker basket. "I wish it hadn't let go--I should so like a little crab to take home with me!"

The oarsmen set out along the historic Hudson and hauled them into position. On Wednesday, February 15th, the crew has been working very hard on the river and the Red Fox launch immediately went down to the Poughkeepsie docks and landed. On Wednesday, March 28th, three boatloads of oarsmen set out along the historic 

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The league standings were as follows:

**Crew on River Twice Daily**

6:30 AM and 3:30 PM

The crew went into the water last Wednesday as the Red Fox began to get under way. They are preparing for the meeting with St. John's University on April 6th at Traverse Island, New York. By Saturday, the oarsmen had been on tentlocks working for the floats to be placed in the river. Since February 15th, the crew has been working very hard on the river and the Red Fox launch immediately went down to the Poughkeepsie docks and landed. On Wednesday, March 28th, three boatloads of oarsmen set out along the historic Hudson and hauled them into position. On Wednesday, February 15th, the crew has been working very hard on the river and the Red Fox launch immediately went down to the Poughkeepsie docks and landed. On Wednesday, March 28th, three boatloads of oarsmen set out along the historic Hudson and hauled them into position. On Wednesday, February 15th, the crew has been working very hard on the river and the Red Fox launch immediately went down to the Poughkeepsie docks and landed. 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Tanks "Invade" Campus

On Wednesday, March 29th, at approximately 6:30 A.M., two tanks came rumbling down Route 9, turned left at the Whitehall Road, and proceeded to enter the northern end of Marist's campus. This was not an attack; it was a demonstration in behalf of the National Guard unit desiring extra practice for their full-scale maneuvers. They received permission from the administration to use some of the campus facilities for their operation, the equipment, such as the tanks, of course being moved to their own dummy shells. This will continue until the maneuver season is over in September.

Fleur De Lis Plans Panel

The Fleur de Lis has announced plans for a panel discussion on "Travel and Nondairy Foods." Plans are to have an expert on each subject, with time for both Q and A. The plans have not yet been approved by the Student Council, but 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

The Fleur de Lis announced in its March 5th issue that Mr. Donald B. Miller, administrator at the IBM Product Development Center, is the guest speaker at the second annual Parents' Day to be held this fall. Mr. Miller holds a Bachelor of Science degree from the University of Rochester, and a Master of Business Administration degree from Columbia, as well as a Master of Arts degree in Administration from the New York State University of Albany.

The special day scheduled for Parents' Day will start at 10 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 Spicer Dining Hall, with addresses which will be delivered by Mr. Miller, James Coombs, Business Manager, and Mr. Robert N. Frey, Assistant Business Manager with Brother Paul D. Stokes, F.M.I., College Dean and Brother Daniel R. Hulkey, F.M.I., 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 The Man with the Midas Touch at 8:30 P.M. For further information, interested parents are advised to contact the Dean of Students, Rev. James A. Driscoll, O.P., or the College Chaplain, Rev. James A. Driscoll, O.P.


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

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 enthusiastic by the response of the students but was hasty to note that he encourages all people interested to come out. Experience is not a requirement.

(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.