

DR. TORREY TELLS OF RESEARCH WORK TO BATTLE CANCER

Malignant Disease Presents Serious Aspects in Spite Of Scientific Efforts

CELL GROWTH BAFFLING

Control Lies In Knowledge Of Tissue Which Is Of Peculiar Type

By HARRY BEAL TORREY, Ph.D. Professor of Zoology in the University of Oregon

The Emerald asks me to say something about the cancer problem and the research that the department of zoology is doing along this line. The cancer problem is a very serious one and exceedingly baffling. How serious is shown by the fact that at least one out of every ten persons reaching the age of forty-five years develops cancer. How baffling, is shown by the very meager results that are now at hand after years of painstaking and intelligent effort by many very capable investigators and the expenditure of large sums of money. There are facts which indicate that the incidence of cancer is becoming more frequent so it is not to be wondered at that the cancer problem is continuing to engage the attention of many workers in the field of medicine.

Solution is Remote.

Notwithstanding the fact that with some cancers, radium and the X-Ray have accomplished fortunate results, it may be said that the solution of the problem, in spite of all our efforts, is not yet in sight. Our only hope lies in attacking it from many different sides by a variety of methods.

The department of zoology is only beginning a reconnaissance of the field. It is engaged now in testing certain avenues of approach that seem to be promising. There is no immediate prospect that it will contribute in the near future, anything that will significantly control the disease.

Cancers are malignant tumors. That is, they are composed of cells which have apparently a capacity for indefinite and uncontrollable growth. Certain cells in the organism break loose, as it were, from all restraining influences and grow to the disadvantage of adjacent tissue.

Growth Factors Uncertain

These cells are remarkably undifferentiated. They resemble very young cells. The control of cancer resolves itself into the control of this type of tissue. It is clear that control can only follow an understanding of the facts of cancer cell growth. At present we know very little about the factors that determine the growth of any cell.

This department is now concerned in studying the factors that govern cell growth in general. We are not working with cancer tissue itself. We are studying normal cell growth. Several researchers are in progress along this line. We are studying the growth under varying conditions of tissues separate from the body of the organisms and kept alive in artificial media on the slide of the microscope. We are subjecting one-celled organisms like paramecia and vorticella, which every elementary student of biology knows, to varying conditions and observing the results.

Unexpected Results Developed

We are transplanting tissue from one organism to another with the same purpose in view and we are feeding organisms with extracts of such glands as the thyroid and the pituitary because these have been shown by previous experiments to produce marked effects upon the growth of the body.

Certain unexpected results have come to light already that are so interesting in themselves that we are following them up. As one instance, we have obtained male chickens whose feathering confirms to the female type. In fact, the resemblance to the female has been so close as to deceive experienced chicken fanciers. The fact, of course, is not so interesting as the reason for it and that is now being sought by means of further experiment.

DEAN DYMENT WILL BE SPEAKER AT ASSEMBLY

Dean Dymont will speak before the Thursday assembly this week. Advance information is to the effect that several questions of great importance will be brought before the student body at that time.

Art of Piggin' Dying, Asserts News Sleuth

Pigging is a decadent art, according to information gleaned by an Emerald representative, who, in an unbiased frame of mind observed adherents of the art whose habitat is the University campus.

Numerous reasons were given for the decline of pigging. Several men suggested that the old-timer is sparing for time—the time when the field will be ready for harvest. Another addict said pigging has become a lost art because of a deficiency in the budget.

"Certainly, pigging is on the decline this fall," vouched a wearer of cords, "but just stroll off the campus down to the mill race and observe the golden fleeces you are chasing. The frosh are a bit shy yet, but by spring I believe the piggers will be working nicely."

Desiring to obtain the feminine point of view regarding the decadence of pigging in the realm of higher education, the information seeker meandered across the campus, meeting a friend on the way. Long and intently the reporter conversed with the lady regarding the dwindling form of the once popular pastime. So intent was he in the discussion that it rather threw his nerve system out of gear when a friend touched him on the shoulder and whispered in his ear: "Say, cut out the piggin'."

PHI BETA KAPPA SOUGHT

THIRD PETITION SOON TO BE PRESENTED TO SOCIETY

Faculty Members of National Honorary Organization to Meet Wednesday to Help Petition

The application of the University of Oregon for a chapter of Phi Beta Kappa, national honorary scholarship society, is to come up for the third time at the next meeting of the Phi Beta Kappa senate, some time between December and March. For the purpose of promoting the success of the application, a meeting of all faculty members of the organization has been called by Dr. E. C. Clark, president of the University Honor Society, for 4:15 this afternoon, in room 5 of the business administration (commerce) building.

A letter received from Rev. Oscar Voorhees, D. D., secretary of the united chapters of Phi Beta Kappa, asks that information concerning the University be sent him for presentation to the senate of the national society. The other attempts to establish a chapter of the society here were made in 1916, and 1919.

The University Honor Society is the local organization whose aims resemble those of Phi Beta Kappa. To it belong most of the faculty members of Phi Beta Kappa, and few of the leaders in scholarship of each senior class.

CALL FOR WATER POLO ISSUED BY HAP HAZARD

Games to be Scheduled With Multnomah and O. A. C.

It is imperative that all men who are interested in water polo report to "Hap" Hazard, swimming instructor, within the next two weeks, if a team is to be organized to represent the University in the meets which will be held on the Pacific coast this winter.

"Hap" has just returned from Portland where he was in conference with Jack Cody, swimming instructor of the Multnomah Club. They are trying to arrange two meets between Oregon and the club, one to be held in Portland, and one to be held here.

Arrangements are being made whereby the men's gymnasium tank will be held open for water polo practice every night from 5 to 6 o'clock. The University is large enough and there are enough students enrolled to support a team. Every one who can swim and knows anything about water polo should turn out and make it a success. "Show the Oregon Spirit." Watch the Emerald for further announcements.

O. A. C. has a new tank, 100 x 60, the largest on the Pacific coast. It is tiled lined with ten diving boards, and the entire upper part is skylights. This makes it a wonderful tank for meets.

Through Jack Cody of the Multnomah club, the University is trying to arouse an interest in water polo, although there does not seem to be much material available there at the present time.

LYLE BAIN ON CAMPUS

Lyle Bain, '20, a member of Phi Gamma Delta, is in town visiting his mother and sisters and campus friends. Mr. Bain is employed by the Irwin-Hodson Co. of Portland, a bank's supply house.

VARSITY GRIDSTERS LEAVE TONIGHT FOR GAME WITH BRUINS

Injured Men Coming Along Nicely Under Treatment By Bill Hayward

LESLIE BACK IN FORM

Work of Backfield Smoother; Final Scrimmage Here This Afternoon

WHAT THEY SAY

Head Coach "Shy" Huntington: "We're going down there to give them a battle! and we'll beat them if we can. In the game Saturday our offense will be a great deal smoother and our defense appreciably stronger."

Line Coach Bart Spellman: "We'll give them all we've got. End Coach "Brick" Mitchell: "We're the under dogs in the battle Saturday and we're going to give them a real fight."

Trainer Bill Hayward: "I expect the boys to make a strong showing Saturday against the Golden Bear, though it will certainly be a tough game from start to finish. The team performed very satisfactorily against Idaho and showed marked improvement over the two previous games. The men are now at a stage of development where they will improve rapidly and the work of the coaches will show to advantage."

Tonight the southbound Shasta will carry 19 of Oregon's football warriors, the coaching staff and Graduate Manager Benefiel to meet the University of California in the seventh battle between the two universities. While neither the coaches nor team are confident of victory they are determined to give the far-famed Blue and Gold eleven a real battle.

Last night the varsity scrimmaged against the strong freshman team and although the Lemon-Yellow did not live up to expectations, showed a marked improvement over previous performances especially in regard to a smoother working backfield. Scrimmage will be held again this afternoon while the final workout will probably be on California's field Friday afternoon.

Workouts are Stiff

Oregon's coaching staff has been making the hardest kind of an effort to get the team in shape. Workouts from three to six every afternoon, with drill in every phase of the game in the evenings, starting from the first of last week, there have been "skull" talks and board work by the coaches.

Bill Hayward's injured squad is coming along nicely and in his capable and experienced hands most of the boys are rounding into shape. Hugh Clerin who has been out practically all season is back again and with a special Hayward brace performed at end in Mart Howard's place against the frosh yesterday.

Billy Reinhart has not improved as rapidly as it was hoped and the scrappy little back will not appear in the lineup against the Blue and Gold. His collar bone was broken in the Willamette game in addition to the torn ligaments he sustained and the combination of injuries was more than medical attention could overcome.

Tommy De Armand is back in shape and his return to the game augments the strength of the varsity backfield. De Armand plays at half, weighs 190 pounds and is one of the fastest players on the team. "Spike" Leslie's leg which has given the husky tackle a great deal of trouble is now O. K. and the big fellow will be at the top of his form Saturday.

Press Meeting Nov. 3-5

Fraternalities At U. of W. to Receive Press Conference Delegates

University of Washington, Oct. 18.—(P. I. N. S.)—Fraternalities will assist in entertaining delegates to the Pacific Intercollegiate Press Association conference at the University of Washington, Nov. 3, 4, and 5, according to an announcement given by the interfraternity council today. This includes meals and rooms. The delegates also will be guests of the Associated Students at the football game between Stanford University and Washington in the stadium, Saturday, the last day of the convention. The journalism council of the journalism school, in charge of the conference, is outlining a program to be announced in a few weeks.

PEP WILL RULE RALLY

Seventeen Men Picked For California Trip

Following is a list of men who will make the California trip: Mart Howard, Ward Johnson, "Dutch" Gramm, George King, Len Jordan, "Chuck" Parsons, "Tiny" Shields, Floyd Shields, "Prink" Callison, "Spike" Leslie, "Scotty" Strachan, "Bart" Laughlin, "Hunk" Latham, Neil Morfitt, Hal Chapman, Carl Von der Ahe. Two others will be added today.

HOOPERS TO BEGIN MONDAY

DOUGHNUT LEAGUE SCHEDULE TO BE OUT THURSDAY

Men's Houses Will Finish Series before Christmas Holidays, Bohler Plans

The schedule for Doughnut Basketball, according to Coach Bohler will be out Thursday. The games are to start next Monday and Tuesday. The schedule is to be so worked out that every team will play on one of these nights. There are fifteen teams in the league, so there will probably be four games the first night, and four the next. One of the teams which plays the first night will have to play the following evening also, on account of the odd number of teams entered in the series. The staff is to hold a meeting Wednesday evening for the purpose of working out a schedule.

Names in Indoor Gym

The games this year will all be played on the inside gym floor, according to Coach Bohler. Last year's arrangement was to have two games going on at once, one on the inside gym floor, and one in the outdoor gym. If present plans are followed no team will have to play two nights in succession, unless some unforeseen emergency arises.

"The plans for the entire Doughnut series are not complete yet" said Mr. Bohler, "and we may have to have some of the games played after the Christmas vacation." He added that this would be avoided if possible however, and present plans are to run the entire series off before the holidays.

The teams entered in the league number fifteen, the same number that was entered last year. This means that each team will have to play fourteen games if the present schedule is followed. The winner is to be picked on a percentage basis, and no teams will be eliminated.

Demand for Practice

There has been a big demand for practice hours this week, and all have been signed for with the exception of Friday evening. If any team wants the floor some time Friday evening, they should see Coach Bohler immediately.

The teams which sign up for the indoor gym floor, are also entitled to the outdoor floor for their extra men, according to the Coach, and may use it if they wish.

The Kappa Sigs, who won the cup last year, will be without the services of two of their last year's team. Roll Andre, their big star, is ineligible, while Blackman, who played center, did not return to school. Burnett, who played a stellar game at guard last year, is back, and with Rocky and Strahorn, will form the nucleus of the team this year.

The Fijis, who were runners up in last year's series, will have another strong team in the race according to all reports. All of their last year's team are back, and they also have a great deal of new material.

Kappa Sigs Hold Cup

The cup which the winner of the Doughnut series holds for one year, is in the possession of the Kappa Sigma house. This cup has to be won three years in succession before it becomes the permanent property of any organization.

The schedule is to be made out at a meeting of the representatives of all the organizations, which will be held at the men's gym at 4 o'clock Wednesday evening.

MANAGER BEFORE JUDGE

Sigma Nus Sentenced for Blocking Traffic With Wood

Neil Morfitt, manager of the Sigma Nu fraternity, appeared before Judge King Monday morning to plead guilty for his fraternity on the count of obstructing a street. Morfitt will be sentenced today.

Wood piled on a street, which endangered and obstructed traffic, was the charge brought against the Sigma Nus. The report says that the fraternity has previously been asked to remove the wood, but failed to do so. Morfitt told the judge the obstruction would be removed at once.

Old Oregon Fight to Start Varsity on Trip South

Team Leaves Tonight for Invasion of Bears' Territory, Amid Shouts of Rooters

GLEE CLUB GETS INVITATION

WASHINGTON STATE COLLEGE WANTS JOINT CONCERT

Plans for Eastern Trip Under Way; Twenty Men and Director to Make Trip

The University Men's Glee club received an invitation yesterday from the Men's glee club of Washington State College to join them in a joint concert to be held at Pullman, Nov. 4. Dean Landsbury, after a conference with John Stark Evans, director of the club, Arthur Rudd, manager, and Morris Eben, president, announced that while it would be impossible to meet on the night mentioned, such a concert will probably be held during the annual tour of the club. This concert could be an annual event, according to a suggestion by F. C. Butterfield, director of the Men's Glee club of W. S. C.

The annual men's glee club tour is now being planned by Manager Rudd, who had a conference last night with a railroad official in regard to schedules and rates. No definite itinerary has been worked out as yet but it will probably be announced within a short time. According to the present plan about twenty singers, the director and the manager will make the trip, probably during the Christmas vacation. The details of a more extended trip to be made later on are also under discussion.

The club, this season, according to John Stark Evans, director, will be especially good, due to the return of so many old men, and to the wealth of good material from which the vacancies were filled. A program, said to be the liveliest and best in years, has been selected.

EXTENSION WORK DRAWS STUDENTS IN PORTLAND

601 Already Signed Up; Full Credit is Given

Six hundred and one students are registered in the University of Oregon extension division in Portland, and 150 more will probably enroll before registration for the fall term closes, according to information received by the office of the extension division at Eugene.

"The history of the Portland center is one of constant growth," declared D. C. Clark, director of the extension division here. "It is planned to meet the needs of people living in Portland who are busy during the day and want to take university work in the evening. Full university credit is granted for such work."

Most of the courses of the extension center are held in the evening at the Central Library. Some of the instructors are regular faculty members of the University who spend a day or two every week with the Portland school, and others are Portland people who are experts along particular lines. Dr. George Rebec has been director of the university work in Portland since the extension department was first organized, in 1917. He is also dean of the graduate college, and professor of philosophy at the University proper.

The Portland extension center offers general college courses, courses in architecture and art, in business administration, in education, in medicine (aside from the regular professional courses at the school of medicine), in music, and in social work.

There is no formal requirement for admission to the classes. The fee, except in a few cases, is \$5.00 a term, and entitles the student to carry as much work as he is able. The courses are of university grade.

Miss Gladys Bowen, ex-'19, is secretary to Dr. Rebec and is at present acting secretary of the extension center during the illness of the regular secretary, Mrs. Margaret M. Sharp.

"Listen, gang! they're off. Our little band of scrappers tonight hits the long trail southward to the lair of the world-famed Bruin to battle with him in his own haunts. Our rooters chanted 'We can't be beat, we can't be beat' in the Idaho game—and the game was saved. Tonight the fighting spirit of 2000 students is going to be transmitted to a fighting team."

Perhaps if you will listen closely at 6:30 this evening in front of the library, above the noisy gathering of the clans of a tribe which has never been licked, Oregon, you will hear Yell King Obie imparting such a message as the above. If you can't, just join in the most momentous parade and rally of the year and "journey to the armory, not forgetting to swell the ranks of the Thundering Thousand as the long line files down town. Oregon's football team and coaching staff will be at the armory, and after the speeches, yells and cheers, the entire student body—and Obie admonishes everyone not to forget that it numbers 2000—will act as an escort of honor for the team on its way to the depot. And as the Shasta slowly gets underway there is going to be a yell given which will be felt down at Berkeley next Saturday afternoon.

Noise Keypote of Rally

N-O-I-S-E—This is the keynote of tonight's rally. Bring anything from a baby's rattle to the buzzing part of a sawmill. Cow bells, dishes, triangles, caged thunder, and big berthas will be good style. Everyone possessing a musical instrument smaller than a piano is requested to tote it down town. Perhaps from the chaos of noise a real rooters' band will resolve itself. And above all Obie advises the students not to forget that noise. The team is going to be sent south with pep and fun galore—that old wim, wigger, and vitality. "We can't be beat" is to be the war cry this evening.

"The fight Oregon is having this year is the kind that has never been beaten, and California's wonder team is doomed to receive a setback," said Yell King Oberteuffer yesterday. "Obie" believes the old dope sheet is going to be renovated about next Sunday morning, and the students of Oregon are to have a part in the spilling of the dope by the spirit shown this afternoon.

Affair to Start on Dot

Things are going to start on the dot this evening on account of the limited amount of time, "Obie" has said, and the students are asked to be on time so that the 2000 will parade downtown as a unit. House managers have been asked to have dinners a little earlier than usual. King Obie emphasizes that this rally is no customary sendoff for a departing team. "It is the greatest of the year," said the monarch of the Thundering Thousand, "and it is going to bring results."

"Shy" and "Bill" have promised to turn the team loose a little early so they can be at the armory at 7:15. This will be about the time the 2000 will storm the armory after demonstrating to the people of Eugene and counties adjacent to the United States that the Lemon-Yellow warriors are not sneaking away in the night to growl at the California Bruin.

Special Wire Saturday

The old spirit is not to die out just as soon as the headlights of the Shastas bear down on the Springfield curve. A committee headed by Harry Smith is working to have a leased wire for Villard hall Saturday afternoon. In this manner the spirit of the Thundering Thousand—of every student at the University—is going to flare out in all its glory as the plays are called out. The Oregon team will be far away in the southland Saturday afternoon, but they will know that in old Villard their fellow students are behind them with many a hussy "We can't be beat, we can't be beat."

PLEDGING ANNOUNCED

Sigma Alpha Epsilon announces the pledging of Don Parke, of San Francisco, California, and Paul Scott, of Spokane, Washington.