

CONSERVATION WEEK

Lumberjack

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ARCATA, CALIFORNIA

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Vol. XXV

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No. 7

Students Assist In Pheasant Hunting Areas

Thirty-four wildlife and fishery students assisted the California Department of Fish and Game during the 1952 ten-day pheasant season, November 22 to December 1. They helped in operating the Pheasant Co-Operative Hunting Areas which are located in the Sacramento and San Joaquin Valleys.

The duties of the HSC students consisted of issuing hunting permits, giving information to the pheasant shooters, recording complaints of either hunters or landowners, and checking hunters out of the areas at the end of the day's hunt.

Permanent Fish and Game employees patrolled the co-operative hunting areas to enforce trespass rules and game laws.

More Public Hunting

Pheasant Co-Operative Hunting Areas were first initiated by the Department of Fish and Game in 1949. Their purpose was to provide added protection for landowners and leasees from depredations of trespassers and to provide greater access for the public to hunt on privately owned or controlled lands.

An agreement is signed before the hunting season between the landowners and the Department of Fish and Game which provides that public hunting will be allowed in exchange for protection.

Areas Are Posted

On each area there are three types of posted zones: Closed zones, which include field crops, buildings, and livestock, on which no hunting is allowed; restricted zones on which permission to hunt is granted solely by the landowner, and open zones which are open to the general public.

It has been the policy of the Fish and Game to limit the number of hunters on an area at one time. Thus only one hunter is allowed per five acres of open land so that the birds will not be over-hunted and that a hunter may feel reasonably safe from stray shot.

Pheasants Released

Game farm raised pheasants are released on the areas prior to and during the hunting season in order to relieve some of the hunting pressure on the wild birds.

This co-operative hunting program has met with such widespread approval that the number of areas has increased from 6 in 1949 to 13 this year.

Two professional journals of national circulation have published the following articles by Dr. Lawrence E. Turner, dean of students: "The Parable of the Road", *The School Executive*, 71, 12, (August 1952) p. 46.

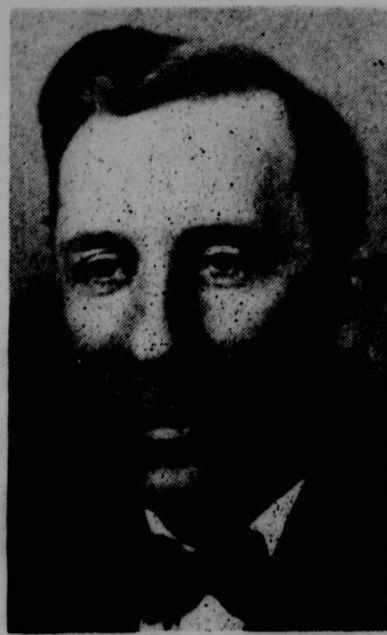
"Local control in a Rural school District", *American School Board Journal*, 125, 4, (October 1952) p. 52.

President Proclaims Conservation Week

The need for the Conservation of our great natural resources is apparent. It is not only the concern of the students and faculty of Humboldt State College but of every citizen of our country.

In an effort to provide a better understanding between the college and the community of the needs of Conservation, I proclaim the week of December 1 to December 7, 1952, as Conservation Week on the campus.

CORNELIUS H. SIEMENS,
President



ARTHUR S. EINARSEN

Noted Biologist, Author To Speak

Arthur S. Einarsen, noted wildlife biologist and author, will serve as the principal speaker at the Conservation Week assembly to be held Friday, Dec. 5.

Mr. Einarsen is especially known for his work on the pronghorn antelope, while serving as the Unit Leader of the Oregon Co-Operative Wildlife Research Unit, a position he still holds. He is also the author of "The Pronghorn Antelope and Its Management," published by the Wildlife Management Institute.

While in Arcata, Mr. Einarsen expects to interview those graduating wildlife students who have applied to the Oregon Unit for graduate fellowships.

ONLY BUILDING OF ITS KIND

FISHERIES, WILDLIFE CAMPUS PREVIEWED

Land-clearing and leveling on the site of the new HSC Fisheries and Wildlife Building is scheduled to start in 18 months, according to President C. H. Siemens.

The new structure is unique in the fact that it will be the only building in the nation used exclusively for wildlife and fisheries training.

Featured in the new building will be laminated arched ceilings. According to State architects this type of ceiling is one of the modern improvements included in classroom construction.

A rustic flagstone porch will grace the center entrance of the building. Inside the entrance, the quarry tile foyer will be lined with several display cases and will include a pool in the center for fish and aquatic plants.

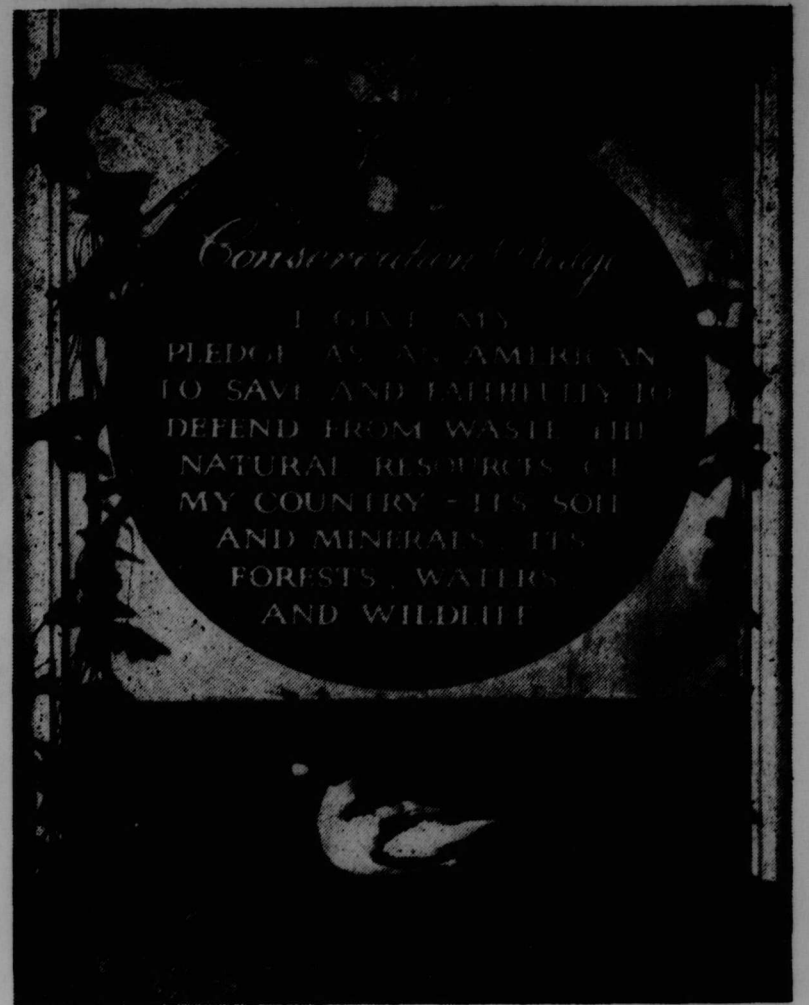
The auditorium will have seating capacity for 140. At the rear of the auditorium there will be a projection booth flanked by exhibition cases.

Rooms in the west wing will include the Game Bird and Mammal Laboratory which will have individual desks to accommodate 32 students. Dr. Fred A. Glover, in charge of wildlife management,

has stated that this lab will be the best and most fully equipped lab of its type in the nation. Other rooms will be the Game Bird and Mammal Preservatorium, a Brooder Room, with a capacity for 500 chicks, a Feed Storage and Preparation Room, a walk-in cold storage room, a fully-equipped veterinary Pathology Laboratory, and the Study and Seminar Library.

The east wing will house the Fish Laboratory and an adjacent Ichthyology and Hydrography storeroom. A Fish Preservatorium with space for 100,000 specimens will also contain four 500-gallon aquaria and several smaller aquaria. The remaining rooms will be a Limnology, Oceanography, and Pollution Laboratory, a Visual Aids room with complete dark-room facilities, and a Habitat and Ecology room with materials for use in study and analysis of habitat and ecological factors.

Adjacent to the new building will be an Indoor Fish Hatchery with a capacity of two million eggs or small fry. A 50-pen fur shed and six game bird pens with eight brooder houses will also annex the building.



FOREST WILDLIFE EXPERT GUEST SPEAKER AT ANNUAL CONSERVATION BANQUET

Mr. Fred P. Cronemiller, Chief of the California Wildlife Management Division of the U. S. Forest Service, is to be the guest speaker at the Fourth Annual Conservation Banquet to be held in Nelson Hall at 7:30 p. m., Friday, Dec. 5. Mr. Cronemiller's speech will cover forestry and wildlife. Dr. Lawrence E. Turner, executive dean at Humboldt State, will be Master of Ceremonies.

The tentative menu includes crab as the main dish. Several members of Conservation Unlimited will be waiters.

Kodachrome slides of scenic outdoor and wildlife views will be

shown in the Nelson Hall reception room preceding the banquet.

Conservation Unlimited incited the annual conservation banquets in 1949. The club felt that the sportsmen of this area could aptly be informed of conservation practices and activities by featuring fish and game authorities as guest speakers. It has been the policy of the club to have a game expert one year and a fish expert the next.

The Third Annual Conservation Banquet featured Mr. Brian C. Curtis, noted author and fisheries biologist. The subject of his talk was, "What the Fishery Biologist Can Do For The Sportsman." Mr. Curtis pointed out the need for closer co-operation between the biologist and the sportsman.

Christmas Packages Go To Servicemen

Candy, cookies, nuts and Christmas cheer will be packed into two-pound tins again this year and sent to former Humboldt State College boys now serving in the armed forces.

Student body support is needed in this program, which is advised by Miss Kate Buchanan. Anyone knowing servicemen's names and addresses please submit them to the Dean of Student's Office, Room 208, as soon as possible. Two-pound coffee cans may also be turned in there.

Student Wives Club has offered to bake cookies, and additional contributions from faculty and students are needed. These should be brought to the Dean of Student's Office on November 19.

Conservation Issue

This issue of the *Lumberjack* is devoted to the activities of the fisheries and wildlife management departments at Humboldt State College as well as general happenings in the field of Conservation.

It is hoped that students of HSC or any one who reads these printed words will become partially enlightened as to the ideals of conservation.

Editors for this issue were Danforth White and Ed Hansen. Contributors were Don Gastineau and Ray Johnson.

Four Get Music Awards

Humboldt County Federation of Women's Clubs has announced that the following students at Humboldt State College have been awarded \$100 scholarships in music: Gene Armstrong, Eureka, viola; Lewis Braun of Eureka, piano; Harriet Hubert of Fortuna, piano; and Yvonne Morrison of Myers Flat, voice.

Take it from Here By DEW

As a person who is devoted to wildlife conservation, I am often asked just why is it necessary to think and act in terms of managing our wildlife resources. Usually the question is annotated with some remark about how the creatures of the wild are still present just as they were hundreds of years ago.



In answering such a question there are many examples that could be cited, but there is one example that has long served as the classic object lesson in the battle for conservation of wildlife.

A Story For All

The story of the passenger pigeon begins in the early 1800's. Eyewitness accounts state that the number of birds was unimaginable and it was not uncommon during the seasonal migrations for huge flocks to virtually darken the skies for hours.

Market hunters slaughtered the pigeons unmercifully and shipped the dressed birds to eastern markets by the trainload. Yet as late as 1835, John James Audubon, the noted artist-naturalist, estimated one single flock to have contained over one billion birds.

The Slaughter

Then came the Iron Horse and the telegraph, which enabled the pot-hunters to race to the migration lanes and set up huge nets with which they trapped millions of birds in a matter of hours. Farmers, utilizing the crowded nesting grounds of the pigeons, pushed their nests out of the trees and then turned in their hogs to feast on banquets of pigeon eggs and young. The slaughter continued.

By 1857 the future of the passenger pigeon was sounding an ominous note and the legislature of the State of Ohio even considered a bill for their protection. A committee hearing the testimony pro and con reported, "The passenger pigeon needs no protection. Wonderfully prolific, having the vast forests of the north as its breeding ground, traveling hundreds of miles in search of food, it is here today and elsewhere tomorrow, and no ordinary destruction can lessen them, or be missed from the myriads that are yearly produced."

A Decision

The slaughter continued, only to come to an abrupt halt, for in 1914 the sole survivor of the

Bear Damage Study Concluded

Conclusions from a recent study by Dr. Fred A. Glover, associate professor of biological sciences, and Edward L. Hansen, a senior wildlife student, indicated that the black bear is responsible for extensive damage to young redwood trees in the vicinity of Big Lagoon, Humboldt County. The study was made in co-operation with the California Redwood Association and Hammond Lumber Company.

The report stated that upon examination of a redwood tree damaged by a bear, it is noticed that a portion of the bark has been stripped from the trunk. Prominent vertical engravings, made by the bear's upper and lower incisor teeth, are evident on the exposed cambium layer. The bear has apparently acquired a taste for the succulent new-growth cells.

Most Damage in 1950

The survey revealed that 1950 was the peak year of damage in the area studied, with the 10 to 30-year age-class of trees receiving the greatest amount of damage. Indications are that the 5 to 10-year age-class is being damaged with increased intensity.

The period of bear damage runs from 75 to 100 days during the spring and summer months. It is during this time that the bark is in the "slip stage" and thus may be easily peeled from the trunk.

It is believed that about 20 trees might be damaged by a single bear in a 24-hour period.

One of the main recommendations for controlling the damage was to promote increased sportsman hunting of the bear.

This stripping of young redwood trees is of significant importance to the lumber companies because it increases the fire hazard and causes the loss of future commercial timber.

"myriads" of passenger pigeons died in the Cincinnati zoo, ironically in the very state that only 57 years before had no doubts about the ability of the birds to survive and maintain their large population.

Do we need to manage our wildlife resources?

FUR, FIN 'N' FEATHERS

By ED HANSEN

Whose duck is it—the sportsman who shoots it or the first person to pick it up?

If you have ever been confronted with this particular phase of sporting ethics, then you know what a disgusting situation it is.

There are today all too many persons who call themselves sportsmen and at the same time think of nothing but filling their game bags to the seams. To these persons it matters not how they obtain their game. They know nothing of giving game a fair chance or nothing of fair play to other people afield. All they want is a full limit so they can boast, "Look what I got!"

In glittering contrast to these "game hogs" and "finders-keepers," we are fortunate enough to have among us true conservationists. David Maxon, a freshman wildlife student, recently found four baldpates which had apparently been caught unaware by waves and washed ashore on a nearby beach. Sand throughout their plumage kept them from flying away.

A complete story of what took place before Dave arrived was written in the sand. Tire tracks stretched out along the beach with a double set of foot prints recorded at intervals. "Game hogs" had also found this area plentiful with easy game and proceeded to "wring necks."

What did David Maxon do? He could have twisted four necks and enjoyed several duck dinners. But he didn't. He played the sporting game fairly. He took the ducks to the wildlife hut and had Dr. Glover band them. Afterwards he placed them in the reservoir behind the campus where they would be safe from SPORTSMEN until able to fly.

Wildlife conservation does not exclude a reasonable harvest.

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Take note, Home Ec. Div: Many of the girls who are not Home Ec majors or minors would like to take (as an elective) Clothing Construction class. But are scared off by that word "Construction," and it is a restricted class. Rumor has it that the class is very small.

In the two football seasons of 1949 and 1950, the Lumberjacks did not win a single game and they did not cross the opponents' goal line more than 12 times.

Lumberjack

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Reporters: Gale Drake, George Eastman, Dale Farris, Harry Gift, Muri Harpham, Edward Hansen, Gary Jackman, Barbara Kinton, Dolores Kunkel, Bill McBride, Claudia Pedrotti, Leslie Ryan, Larry Widmer.

Advertising Manager.....Tom Knight
Circulation Manager.....John Norton
Faculty Advisor.....J. N. McIntyre

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MILLION DOLLAR BUDGET RECEIVES INITIAL OKAY

Initial approval for the enlarged Humboldt State College 1953-54 budget, exceeding one million dollars, was given by the State Department of Finance at a recent hearing in Sacramento attended by College President Cornelius H. Siemens and Business Manager Frank E. Devery.

The new budget shows an increase of over 35 per cent compared to the present year. It includes substantial personnel increases in the areas of instruction, library and campus maintenance. The three new buildings will be in operation, requiring increased staff and maintenance. Funds are also provided for a number of campus improvements including landscape development, remodeling of the old library, resurfacing of campus streets and the construction of a roof over the west bleachers.

President Siemens has been called to Sacramento for a final hearing with the Department of Finance on December 2. Thereafter the College budget becomes a part of the Governor's budget which will be acted upon by the Legislature in its next session.

Deans Attend State Conference

Attending the regular fall meeting of the Deans from the ten State Colleges Nov. 20 and 21 in Sacramento, as representatives from Humboldt State were Dr. Homer P. Balabanis, dean of instruction; Dr. Lawrence Turner, executive dean; Dr. Harold Parker, dean of students, and Dr. Ivan Milhous, dean of extension and summer session.

The purpose of this meeting is to discuss and resolve problems of mutual concern.

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Letter to the Editor

TO THE EDITOR

In your issue of November 14 there was an editorial by "Dew" in which he deplores the absence of some faculty members from the Chi Sigma Epsilon honor assembly.

Any teacher who is "thoroughly endowed with the spirit and feeling of his profession," Dew says, ought to realize that he is missing some of the "remuneration gained from psychic pay," and some of his "just rewards," and "part of his paycheck" if he does not go to the honor assembly.

This student's idea seems to be that more faculty will attend these assemblies in the future if he can only show them that there are dividends. When the students who are getting the most value for their money come up to receive awards in addition, we teachers ought to be around for our share of the pay-off.

Of course we all love good students, but for my part I do not attend honor assemblies to applaud them for earning good grades. They don't need it. I come to enjoy the musical offerings and the guest speaker. And I always come away wondering what Chi Sigma Epsilon does to justify its existence as a scholastic organization. Are its qualities of leadership and high ideals of character private virtues, and its activities divorced from scholarship except insofar as it promotes the individual main chance?

In a good society the rewards for doing a good job are not buttons and bows but opportunities for service. There are many projects that Chi Sigma Epsilon might undertake that would contribute to the scholastic interest and achievement and standards of the College as a whole. If Chi Sigma Epsilon were a giving rather than a receiving organization, perhaps more people would come to their assemblies.

R. L. WHITE,
(Professor of English)

Libraries Discuss Red Literature

Mrs. Helen Everett, college librarian, recently attended the annual California Library Association meeting in Pasadena, Calif.

With almost a thousand representatives there from every type of library in California, many problems of library service were discussed.

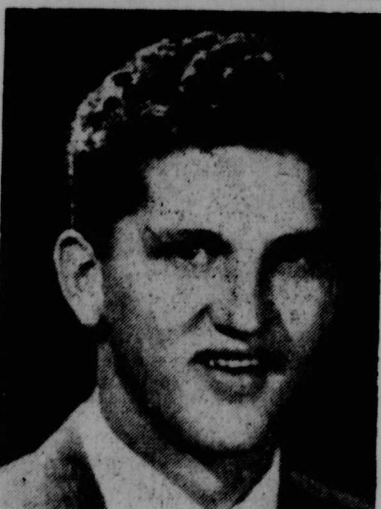
Luther Evans from the Library of Congress discussed the problem of censorship in regard to United Nations material and in regard to Communist literature; later the association voted to allow this material to be used in all libraries.

The question of book-collecting and book-choosing was also discussed, and many of the leading book publishers displayed book material and library furniture.

Several exchange librarians who had recently spent time in Europe and Asia discussed the various problems that the war and poverty-stricken nations faced in the library field.

A recommendation was approved that the California State Legislature survey the library situation in the State and make suggested improvement.

Dr. C. H. Siemens and Mrs. Everett conferred with State architects in Sacramento October 22, on the finishing of the new library at Humboldt. Mr. Melvin Schuler of HSC art departments, is planning the colors.



ONE of last year's varsity basketball mainstays and a regular wingman for the Championship Lumberjack eleven this past football season, Bob Dunaway, senior class president, is one of the many men battling for a position on the 1952-53 basketball squad.

In April, 1931, the total attendance at the College was only 241 students.

Two Freshman Poets Get Work Published

Two College students have had original poetry accepted for publication in the annual Anthology of College Poetry, sponsored by the National Poetry Association.

Beverly Dahlen, a Eureka High School graduate of 1952, is a major in education. Her poem was called "The City."

Diane Anderson, EHS '52, had "The Show Must Go On" accepted. This is a short lyric, taken from an original play. Diane is a speech major.

The contest is limited to college students throughout the U. S. The winning poems are published in the anthology for 1952.

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PART of the 326 undergraduates from 129 American Colleges who took the '52 Marine Corps six-week summer platoon leaders class program here at the leatherneck recruit depot are these Humboldt State College men. Left to right, back row: Eugene N. Marks, Ray O. Meehals and Robert F. Keszely; front row: Richard J. Johnson, William D. Joy and Donald H. Erickson. They will be commissioned second lieut. Marine Corps Reserve upon graduation with a baccalaureate degree and the completion of the Senior Summer Course to be held at Quantico, Va.

Eligible for Service? Tests Give Answer

By JIM MCKITTRICK

What happens to the young man who takes a physical examination for military duty?

At the Selective Service Physical Examination Center in San Francisco, a Master Sergeant calls a roll of those to be tested and designates a room in which the prospective draftee is required to fill out forms on his past history. After these are checked he is asked what branch of the service he prefers in case he is drafted.

After these preliminaries, doctors take over; they weigh him, check his height, eyes, ears, teeth, throat, feet and blood pressure. He is given lung X-rays and a blood test. Then he is allowed to discuss anything that might keep him out of the service with a counselor, who can advise him on the Army policy in connection with

any particular case.

He is then given a mental test at which time he is informed that he has three chances to pass. And if he flunks all three? Why the F. B. I. checks his record in school and if he has passed any course he is inducted anyway. After the mental test the examiner is given two 90 cent meal tickets and released to come home until further notice.

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Jacks vs. Alumni In Gym Tonight

Humboldt State College opens its 1952-53 basketball season against an alumni team tonight in the College gym at 8 p. m.

Next Monday the Jacks move into the second of a seven game homestand against Mt. Vernon College, from Washington. The Hilltoppers finish up the remainder of the seven games before Christmas vacation against Clark College December 9; Pasadena College December 11; Pacific Lutheran College December 13; and two games against Oregon Tech December 15-16.

The last two games will be played during Christmas vacation against San Francisco State on December 22-23 at San Francisco.

In a non-scheduled scrimmage last Sunday morning in the Jacks gym, Bon Boniere defeated the Loggers by a score of 87-79.

Coach Forbes stated that the club showed weaknesses in defen-

sive play, and clearing the backboards.

The starting players for Humboldt were: Glenn Wallace and George Ibaretta, forwards; Len Pollard, center; and Sam Langford and Bob Pelleberg, guards.

Johnson Calls Jayvees Turnout For Basketball

Coach Birger Johnson made a call to all basketball players who do not have the time to play varsity basketball, or can use the experience in later years, to turn out for the Junior Varsity team.

The team's first practice was held Nov. 17. Those responding to the call were Pete Linden, Pete Haynes, Ray Mechals, Gene McKamey, Bob Clausen, Howard Humpage, Bill Tuttle, Dick Trone, Chris Buck, Jim Alexander, Bob Eggers, Tim Corrigan, Murl Harpam and Paul Jensen.

The J. V. team will play against the local high school teams and will be used in scrimmages against the varsity team also.

10% Plan Invoked In Student Coop

Monday, Nov. 24, marked the beginning of strict enforcement of the 10 per cent plan which was initiated last year by ASB Executive Council.

The plan requires that all employees in the bookstore and at the fountain check student body cards for any purchases if they want the price reduction accorded to associated student body members.

Other points affected by the 10 per cent plan are club membership, participation in intramural and intercollegiate sports, extra-curricular activity trips, free service at the health unit, if drugs, intra-muscular injections, X-rays or hospitalization is desired, free admission to college sponsored games and the two ASB sponsored dances, with a reduction in price at other college dances.

The game law violator is a thief.

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BRIZARDS

Students Reject 'Required' Card in Large Turnout

A simple majority, but a decided defeat was the outcome on the ASB required card election held last Nov. 14 at the college.

Returns showed that 73 per cent voted and that the measure, while leading by one vote, 216 to 215, still lacked the confidence of a two-third majority vote. The issue would have required 287 votes to 144 to have passed, based on the election turn-out.

The "required" card election followed a colorful and lively campaign with both sides on the issue. Posters, assemblies and literature urged the students to cast their votes. The Radio Shack featured music for the campus Friday with the use of loudspeakers.

Gridders Win, 41-7, In Season Finale

The Lumberjacks came through with another win Nov. 15, at Albee Stadium by battering the Pepperdine "Waves" 41 to 7.

The most spectacular play of the night was Jim Ingram running 66 yards to score in the fourth quarter.

Bob Dunaway also did a good job by playing volleyball with the Pepperdine players. It was a pass from Garcea that they played with and finally Bob got a hold of it and scored the second touchdown of the evening.

George Psaras was another defensive player who intercepted two passes and went 40 yards for the first score of the game and then went 37 yards for the third score of the game.

Dale Thomas kicked all of the extra points except one which was a pass caught by Ray Mechals.

PETITION DEADLINE

Wednesday, Dec. 14, is the final date for submitting petitions as candidates for four representatives-at-large to be selected in the student election to be held Dec. 17 on the campus.

Sno-Ball Dec. 12 At Eureka Inn

"This is going to be the biggest and best dance that Humboldt State has ever had," says Louis Cimini, chairman of the Sno-Ball. December 12 marks the date of this annual formal dance; the place is the large ball-room at the Eureka Inn.

Jerry Moore's Combo Band will provide the music for the evening 8 p. m. to 1 a. m. Besides dancing there will be refreshments, including "Cimini's conglomeration

punch," ham, turkey and all the trimmings.

This gala event will be free to students with Student Body cards and \$3 per couple for those who don't have cards.

Those who are planning and making the winter scene decorations are Dawn English, Angela Warren, Art Johnson, Nancy Earle and Fred Doring.

Barbara Hackett is co-chairman of the dance committee.

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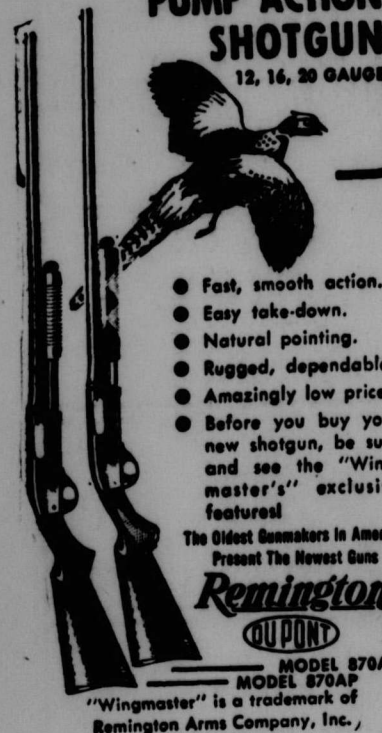
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CHALLENGE OF SURVIVAL

By DR. FRED A. GLOVER
In Charge of Wildlife Management

There is great need for future leaders in the field of conservation for conservation is a necessity! Conservation is a yardstick for our living standard.

What is conservation? Conservation is the wise use of our natural resources so that the greatest good can be obtained for the greatest number of people for the long-



DR. FRED A. GLOVER

est period of time. Conservation should be a part of the everyday philosophy, or way of life, of every individual.

Conservation A Must

Let us look into the past in an effort to clarify the statement that conservation is a MUST. In Spain, Egypt, China and India we find the situation of a dense population of people and a scarcity of natural resources. These have all been great nations in the past but their position at present is low because of their misuse of the natural resources.

A glance backward into the growth of our own nation gives the picture of abundant forests, a wealth of minerals, untamed waters, and abundant wildlife for America to use. Our situation now is somewhat different. In our forests, for example, most of the accumulated wealth found in virgin forests will shortly become a thing of the past. Also, we now waste about 60 per cent of every tree that is cut. Where we formerly thought of the forest as so many saw logs, we now must consider them, rather, as so much wood fiber if we are to attain wise usage of this resource.

Waste of Our Heritage

Soil erosion is increasing. The fertility of our soils is generally declining. And this in the face of

a rapidly expanding population in the United States.

Our minerals are rapidly being exhausted in this age of mechanization with little to offer in the way of replenishing the supply. Conservation coupled with new techniques in development seems our only salvation.

It is high time for us to get next to ourselves. We need to take stock to see that we do not confuse destruction with progress and that our natural wealth, the resources, are used wisely in creating and continuing this great nation.

Until recently we could always move on to new frontiers but now that method of escape is closed, for we have now spread over the entire United States. There is an increased demand for food, clothing, building materials, power and minerals. What are we to do? If sound principles of conservation are not applied, our living standards will drop and we will follow in the footsteps of the other countries that have not heeded the advice of Nature.

Your Contribution

It is axiomatic that no nation can long survive waste and destruction within its own borders. The nations with the greatest storehouse of natural resources are the leaders of the world. Conservation must become an integral part of our everyday lives if the United States is to remain in its present position of authority and our living standard is to remain at a high level.

Let me pose a few questions, which only YOU will be able to answer. How are you going to be affected by a change in our living standard? Are you, as an individual, going to leave this world a better place in which to live?

The answer to these questions, and many similar ones, will not be difficult if you adopt and practice the doctrines of wise men. If not, you have only yourself to blame for your lethargic, let-George-do-it attitude and let the devil take the hindmost result.

NEW GROUP

A new alumni group organized in Sacramento boasts some 22 members with Jimmy Hemphill as prexy and "Gilly" Negro Mooney, former HSC perennial queen, as secretary-treasurer.

Names and addresses of HSC servicemen should be turned in to the Dean of Students' Office, Room 208. We want to send them Christmas packages. Bring coffee tins to Room 208.

CU - Conservation Word and Action

By RAY R. JOHNSON, JR.

Across the nation, sportsmen have gathered together and formed sporting clubs. More meat for the table is the cry which stimulates most of them.

Conservation Unlimited, or C. U., as it is commonly referred to, is a sportsman club made up of HSC College fisheries and wildlife students; however, it was formed with this purpose in mind: "To promote wiser usage of all natural resources and to bring about a better understanding and co-operation among sportsmen, landowners, and the general public." The result of such a program is sustained sport for the sportsman.

In attempting to carry out such a purpose actively, C. U. has graduated from the usual run of the mill sportsman's organizations to one of action instead of words.

Since its organization in 1946, at the College, C. U. has seen the need of stream clearance and fish rescue. Trees, logs, and debris have been cleared from streams that are heavily used by salmon and steelhead for spawning—when they can travel up them.

During the dry season, thousands of fry have been netted from pools and basins along river courses and returned to the main water flow.

Stream clearance and fish rescue have been the major projects undertaken. They are, however, by no means the only projects which have been worked on. Young trees, the backbone of our forests, have been planted by C. U. in areas which have been logged over and in areas where fire has destroyed the native cover.

At present, C. U. has a quail management project underway. It had as a purpose to increase the quail in the area where the work is being done.

No program, of the type Conservation Unlimited stands for, is complete without work in conservation education. To aid in accomplishing this, C. U. puts on a banquet during Conservation Week, works with Boy Scouts, boys' clubs, or any club or organization which requests aid or information. Radio programs and publications also enter into their program of conservation education.

Although C. U. was founded to do conservation work, it has not forgotten its responsibility to its school. It is only one of many clubs under the network of organizations of the Associated Student Body. As such, C. U. has actively entered into the problems and social life of the campus. Dances, bean feeds, posters, and many other campus activities have been sponsored by C. U. Not only

TRAINED PERSONNEL NEEDED

Fisheries Management and HSC

By MR. JOHN W. DeWITT
In Charge of Fisheries



MR. JOHN W. DeWITT

Angling is America's most popular sport by far. About 30 million persons in the United States are fishermen. More people engage in the sport of fishing than in all other sports combined! Mil-

ers are needed in the field of fish management and research (before management may be applied, research, to get basic biological facts, must be done). The need for well-trained fishery workers is increasing. The supply of competent workers has fallen behind.

Humboldt State College has been training fisheries men who are qualified to do a good job in the field. The Fisheries course is not an especially "easy" course, but the student who completes the work has a definite and rewarding feeling of accomplishment. In any work, or pleasure, the satisfaction received is in inverse proportion to the ease with which the end result was obtained.

Broad Training Offered

The Humboldt State College Fisheries student receives a broad background in the physical, biological, and social sciences. This training prepares him for more specialized courses in fisheries, zoology and limnology. These more advanced courses enable the student to bring together, in a sensible arrangement, the facts and ideas on which practical management is based. Actual fish management practices are emphasized in many of the fisheries courses. The student first learns the principles and practices of the management of fish, the aquatic environment, and fishermen. Then he learns to manage all of these resources together, as a whole. With the education thus received plus a little common sense, the graduate is qualified to take his place among the professional workers in any part of the country.

Location Aids Study

The college is located directly in the heart of some of the best salmon and steelhead fishing to be found anywhere in the United States. This means that there are fish and fishery problems to be studied right at our doorstep, not out of books or at a distance. Students do much of their work with living or fresh specimens straight from local waters. Often, they study specimens they themselves have caught on hook and line. Their work is thoroughly enjoyable and absorbing, to say nothing of its importance to our people as a whole.

According to Fish & Game authorities, California deer hunters took home at least \$1,250,000 worth of venison during the 1952 season. An arbitrary price of 25 cents per pound of dressed meat was used.

Nature and Man

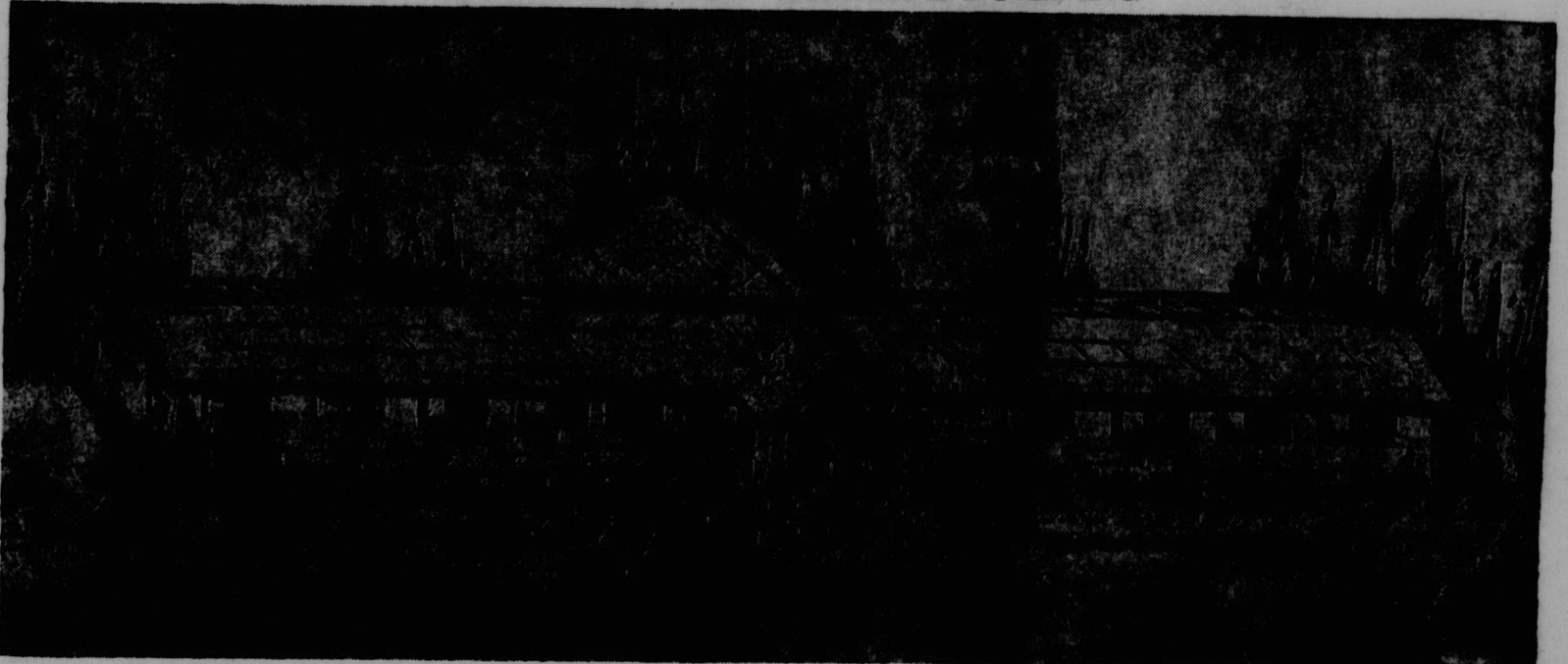
The assistance that man must offer to nature in order to perpetuate our fish populations and to maintain the sport of fishing, is in the form of management. The fish, the environment, and man as well, must be managed together if satisfactory results are to be realized. Proper management can be accomplished only by those people who are properly trained in the management of fish. You would not call on the services of a plumber if your wife needed an operation on her bladder. Neither should you expect any untrained person, such as a newspaper columnist, to give authoritative counsel on fish management matters.

Trained Workers Needed

The point is that trained workers has the club been active about the campus, but its members, as individuals, have also been active.

The C. U. program has been, and will continue to be, one of action and not words, the end result being a step forward toward a sustained yield of our natural resources.

DESIGN FOR NEW WILDLIFE BUILDING



PLAZA BARBER SHOP

Next to Malm & Murray
870 G STREET

Arcata Glass Company

- Glass & Mirrors
- For Every Purpose
- Wall Paper

867 Eye St. - Arcata 1105

Conservationists In Training At HSC

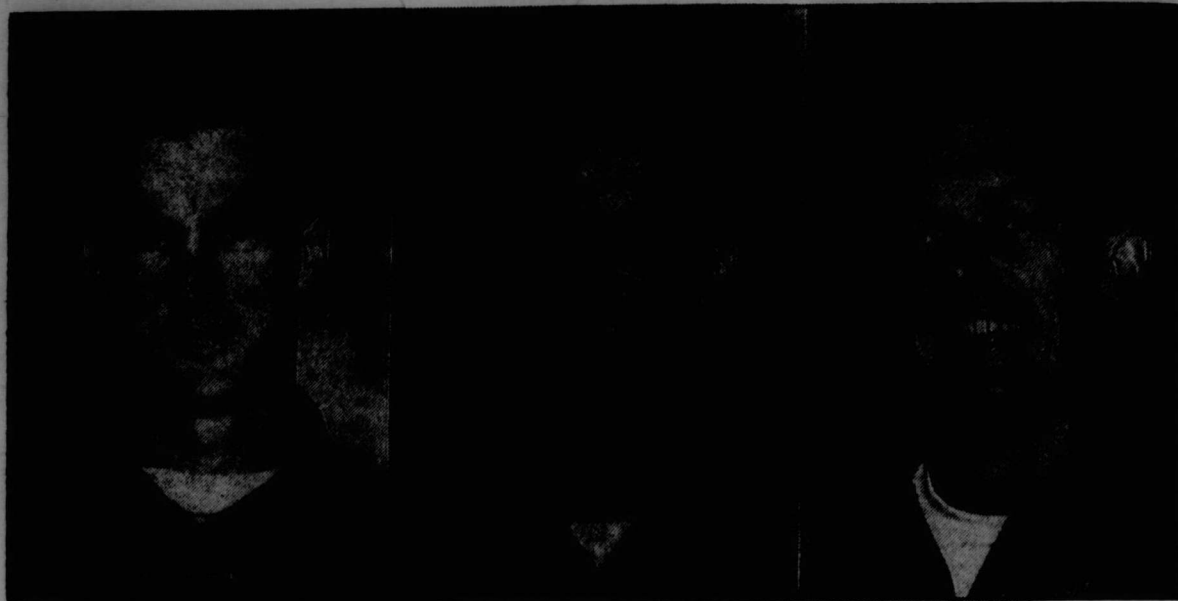
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SCHOLARSHIP



FISHERIES AND WILDLIFE SCHOLARSHIPS for 1952-53 were awarded to three HSC students pictured above. Earl Gibbs, left, a senior fisheries student, was awarded the Bella Vista Rod and Gun Club scholarship for \$100. A similar award was made to Jim Yoakum, right, senior wildlife major, by the Bella Vista group. Don McIntosh, center, a junior wildlifer, was granted the Henderson Center Kiwanis Club scholarship of \$50.

HYDROBIOLOGY



HYDROBIOLOGY STUDENTS USE PLANK ON NETS to determine the amount of microscopic foods available to fish in local waters. This study conducted as part of the classwork in hydrobiology is being made on the Mad River, which is four miles north of the College.

WATERFOWL MANAGEMENT



WATERFOWL TRAP is shown being assembled by waterfowl management students. Ducks which have been trapped are banded and then released after species, sex, age, temperature, and band numbers have been recorded.



SALMON FINGERLINGS are shown being placed in one of the outdoor raceways at the HSC hatchery.

HATCHERY BIOLOGY



STOCK FOR COLLEGE HATCHERY is seined from local streams by Hatchery Biology students in co-operation with the Calif. Dept. of Fish and Game. Salmon and steelhead fingerlings are raised and then released in local waters.

FUR BEARER MANAGEMENT



TAME SILVER-BLU MINK is being examined by furbearer students at a local fur farm. Students obtain valuable experience from local farms by assisting with the feeding, cleaning, and pelting operations. The class spends several lab periods working at local mink farms.

BIG GAME MANAGEMENT



BIG GAME MANAGEMENT STUDENTS are pictured above. Assisted by the instructor, Mr. John W. DeWitt, assistant professor of biological sciences, the class is shown while studying antler characteristics and age determination methods of various deer. All the North American big game species are studied by the class with emphasis on the practical methods of big game management.