



**PLACEMENT** 

INTERVIEWS

Monday, Nov. 9.



#### Quiz Bowl Announces **Tonight's Match Times**

Quiz Bowl teams ... npeting in the first three matches tonight must report at 7 p.m.

They are FarmHouse II and Pi Beta Phi I, who will meet at 7 p.m.; Delta Upsilon vs. Unicorms, 7:25 p.m.: and the Blanks vs. Pharmacy College 7:50 p.m.

Teams participating in the final three matches of the p.m. evening must be checked in Psi Wizards vs. Alpha Delta 234, 4:30 p.m. Pi I 8:15 p.m.; Ag Men vs. Delta Gamma II, 8:40 p.m.; Piper Hall vs. Sigma Chi.

science.

Marathon Paper, Division of American Can Company; students receiving degrees in B.S., M.S.-Bus, Adm., Lib, Arts. Collins Rado Company: students re-ceiving degrees in B.S., M.S., Ph.D.-E.E.; M.S.-M.E. The Procter & Gamble Company—Research and Development Department, students receiving degrees in Ph. D. Chem. (Org., Horg., Phys., Analyt., Blochem.) The Procter & Gamble Company; stu-dents receiving degrees in B.D., M.S.-Ch.E., C.E., E.E., M.E. Arthur Andersen & Company; students receiving degrees in B.S. M.S.-Accounting. Bus. Adm., Engrs. Law. Lib. Arts with at least 6 hrs. of Accounting.

Ernst & Ernst; students receiving de-grees in B.S., M.D.-Accounting, L a w with undergraduate training in Accounting. Cities Service Gas Company; studnets receiving degrees in B.S-M.E., C.E., E.E., Ag.E., I.E., Ch.E.

Tuesday, Nov. 10

Deere & Company: students receiving degrees in B.S., M.S., Ph.D.-Ag.E.; M.S.-M.E., I.E., Bus. Adm., Accts. FMC Corporation-Niagara Chemical

FMC Corporation—Inorganic Chemicals Division; students receiving degrees in B.S., M.S.-M.E., Ch.E. Marathon Paper, Division of American an Company: students receiving de-

International Milling Company Inc.; students receiving degrees in Agriculture (interviews on Agricultural Campus). Bell System (AT&T-Long Lines, Northwestern Bell, Sandia, Western Electric, Bell Lab); students receiving degrees in B.S.-B.A. M.S.-M.A.-Bus, Adm., Lib. Arts. E.E., M.E., C.E., Arch. E.: All degrees—Math. Physics, Chem., Statistics.

Wednesday, Nov. 11

Bell System (A.T.&T.-Long lines, Northwestern Bell, Sandia, Western Elec-tric, Bell Lab); students receiving de-grees in, as before.

Esso Research and Engineering Company Humble Oil & Refining Company; students receiving degrees in B.S. M.S. Che.E., E.E., M.E., Ph.D.-Chem. Celanese Corporation of America; stu-dents receiving degrees in B.S., M.S., M.E.; All degrees—Chem., Ch.E., Phys-

Thursday, Nov. 13

o Research and Engineering Com-Humble Oil & Refining Company; nts receiving degrees in, as above, remainder of the year. AT AT Jone Line

Scientists Study Calf Crop

States and especially to the apparent when one considers the size of the cattle populaa small improvement in per- is to be obtained. formance would have on the industry," Clanton pointed out.

He added that improvement fers one of the greatest opbeef cattle industry.

University livestock re-Division: students receiving degrees in Ph.D.-Ch.E.; M.S., Ph.D.-Chem. (Phys., 100g. Blochem., 07s.) relationship of energy intake affects reproduction would aid by the bred heifer on subsein the development of feeding practices which would supIndia Association Film quent calf crop percentage.

project are Clanton and Dr. performance.

One hundred half-sister heiseason for the first replica-Deere & Company; students receiving tempt will be made to acquire 50 pairs of identical ergy intake. twins in the spring and summer of 1965 for use in the second replication of the stu-

"Most beef cow herds in the United States subsist the ship between endolrine func-Black & Veatch, Consulting Engineers: the United States subsist the students receiving degrees in B.S.C.E., year round on native range tion, energy retention and the interval from calving to or pasture. Others utilize pas- the interval from calving to ture and range forage part of first estrus (heat cycle).

"Regardless of the type of students receiving de- operation used, major em-Mobil Oil Company. Inc. Repartment: students receiving de-Ph.D. Chem., Physics, Math., ing the use of feed supplephasis is placed on utilizing

ments, Clanton said. Recent evidence indicates

"Low calf crop percentage that adequate energy intake represents a major economic is necessary for good reproloss to the beef cattle industry," according to Dr. Don-Los Angeles County Civil Service Commission: students receiving degrees in B.S. M.S.-C.E. Union department of a nime all bred heifer and vound leads of the ence Rooms, 7 p.m. department of animal bred heifer and young lactating cow. Protein seems to p.m., Food and Nutrition "The economic importance have less direct influence on Building lounge East Camof this problem to the United reproduction but probably pus Great Plains area is readily needs to be maintained in a balance with energy intake in maximum intake and utition and the impact that even lization of native range forage

> "Little is known concerning the influence of energy intake before calving on endocrine of calf crop percentages of function and energy utilization and retention following p.m portunities for reducing pro-duction costs and improving beef cattle industry

An understanding of the Co-leaders of the four-year port maximum reproductive

Clanton outlined the over-

tion of the study and an at- heifer induced by high and tan.

dy to be conducted in 1966- year old beef heifer as influis \$1.00 per person. Contact Dr. Pazur works are crude enced by pre-ialving energy Mrs. Pramila C h a n d e n at enzyme preparations obtained intake.

To determine the relation-

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# Enzyme Study Successfu

TODAY

ampus

U.C.C.F., Union 240, 11:30

PLACEMENT LUNCH. EON, Union 241, 12:30 noon. QUIZ BOWL COMMITTEE, Union 332, 3 p.m.

University scientist.

form of sugar.

facturing Company.

sources such as corn.

being affected.

Each enzyme works on a

by growing microorganisms

riculture.

SCRIP, Union 232, 3:30

UNION CONTEMPORARY

Y.W.C.A. CABINET, Union decisions of private firms to 332, 4:30 p.m.

Y.W.C.A. JR. CABINET, essing starch into glucose, a Union 334, 4:30 p.m. ENGINEERING FACUL-

TY DINNER, Union Pan American, 6 p.m. JR. PANHELLENIC, Union

Party Room, 7 p.m. STUDENT COUNCIL QUIZ Confer-

ALPHA TAU ALPHA, 7

ALPHA PHI OMEGA, Un-

MATH COUNSELOR PRO-GRAM, Union 349, 7:30 p.m. ARCHITECTURE DEPT. Presentation of Salt Creek Redevelopment Program, Un-

ion 240, 241, 7:30 p.m. AUF ACTIVITIES QUEEN market for U.S.-grown starch INTERVIEWS, Union 334, 8

AWS HOUSE OF REPS., Union, 4:30 p.m. PLAYBOY PHILOSOPHY, YWCA Seminar, South Party Room, Union, 7 p.m.

BLOCK AND BRIDLE ganic substances into differ-CLUB meeting 7:15 Ag Union.

## Scheduled Saturday

A film from India will be more are awaiting discovery. the animal science depart- all objectives of the project presented by the India Association Saturday at 7 p.m. in single other substance, called the Student Union. The film its substrate, transforming it To determine the changes is "Tere Ghar Ke Samne" into a specific second subfer calves will be used this in post-calving endocrine func- (In Front of Your House) stance, or product. They are tion in the two-year-old beef starring Dev Anand and Nu- so potent that a single molecule of certain enzymes can

There will be English sub- transform hundreds of thoutitles with the film. Tickets sands of molecules of subare available from mebers of strate into product in a min-To determine the energy re- the India program and execu- ute. 434-2711 for tickets.

Enzymes, the highly indi- in appropriate media or by ion-exchange materials. This vidualistic dictators of biolog. malting grain.

ical chemistry, have been regimented for the benefit of zymes which can act on starch stance can be identified. American agriculture by a and which can be in varying The work of Dr. John H. Pazur, chairman of the NU produced. Department of Biochemistry

and Nutrition, and his reresearch assistants, Kjell

has been a big factor in the ble purpose: to develop tech- cream. niques for obtaining pure These techniques can be build two new plants for procenzymes, and to use these used for work with many The project was supported preparations.

in part by the Agricultural He successfully adapted two Products Research Fund of techniques previously used glucoamylase, the conversion the State Department of Agfor other purposes.

separates ionized molecules of These preparations often different types so that the difcontain several different en. ferent components of a sub-

The other is a density-graratio to each other, depend- dient centrifugation procedure ing on variations in the condi- previously used for purifications under which they are tion of viruses. In this procedure the molecules are sep-Undesirable side effects arated according to their sometimes result from the weight in a centrifuge, much use of these impure prepara- as the old-time cream station by 8:15 p.m. They are Phi ARTS COMMITTEE, Union Kleppe and Austra Cepure. tions in industrial processes. operator used to determine Dr. Pazur's work had a dou- the actual butterfat content of

techniques to determine the kinds of enzymes, Dr. Pazur kinds of enzymes in various reported. They have received world wide attention.

By using the pure enzyme of starch to glucose can be One is chromatography on markedly increased, he said.



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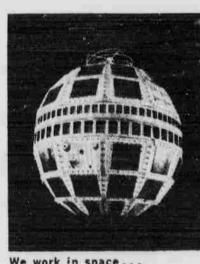
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