

Frankforter Discovers New Oil Process

By Ed Hirsch.

Oil now, thanks to Prof. C. J. Frankforter, member of the university chemistry faculty, can be used over and over again. Thru a process of distillation and clay contacting at high temperatures, Professor Frankforter is able to reclaim old oil making it good as new.

For many years chemists have wondered why crankcase oil could not be reclaimed because good oil is refined from crude. With the help of two students, Dwight Mapes and Ralph Deeds, Professor Frankforter attacked this problem for the first time about ten years ago. However, these two students did not continue with the study, but Professor Frankforter has continued the research alone thru the years. He is convinced that any oil may now be reclaimed.

According to Professor Frankforter, this will mean good news to the operators of large bus and airplane lines. Reclaiming oil will cut down considerably the cost of oil. These lines use only one grade of oil, and it will be simpler to obtain a high grade of reclaimed oil if only one grade of oil is used at the beginning.

Warns Motorists.

Professor Frankforter warns all motorists against buying reclaimed oil. He says that the safe way to be sure to obtain good reclaimed oil is to talk to the owner of the business and ask to see his equipment. Individual owners of cars can lower their oil expense by buying from reputable producers.

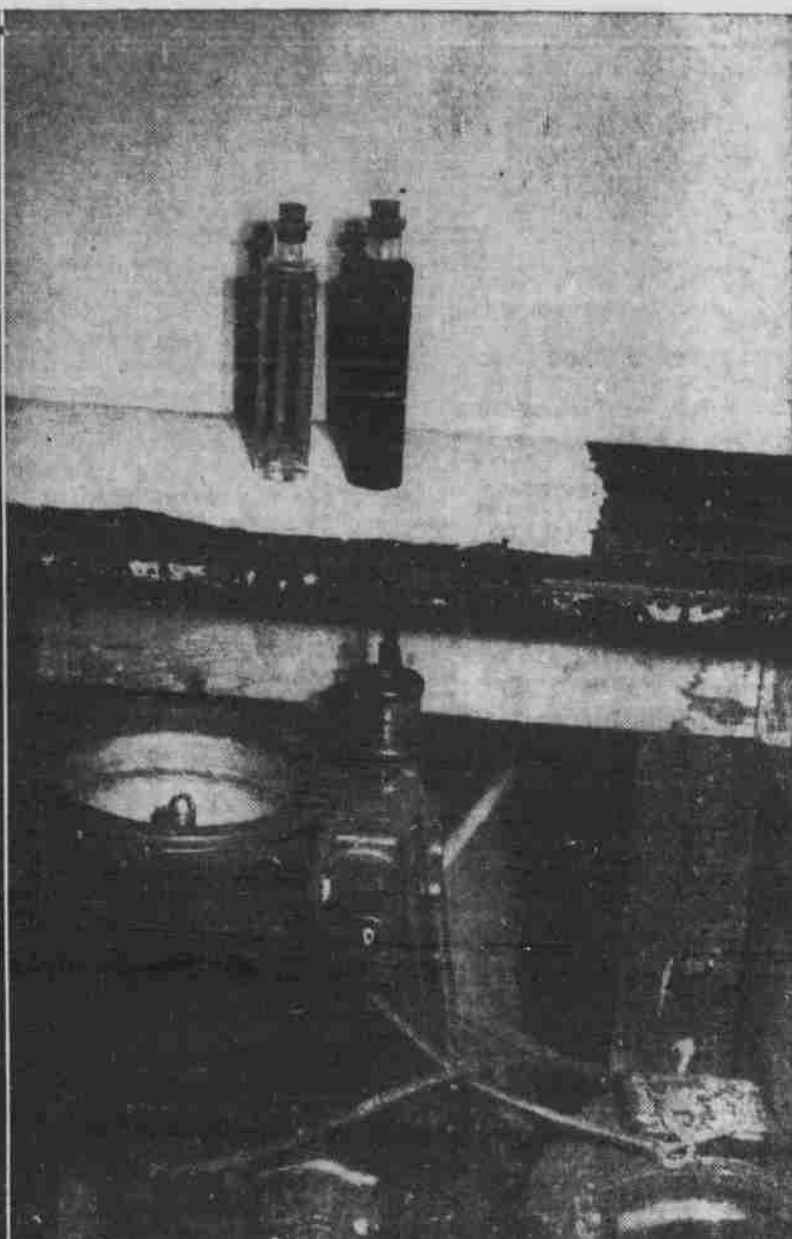
Oil picked up from filling stations may often carry kerosene because they use it for washing machine parts. If proper equipment is available this kerosene can be removed, but many times this is not done.

To remove kerosene from oil steam or vacuum distillation is used. To remove certain greases from oil a treatment with some acid will do the trick. But reclaiming oil under these circumstances is not always profitable.

Many large refineries do not find reclaiming oil profitable now, because this would upset the schedules they have for refining a certain quantity of new oil. To



George Short pours used oil in the machine; the oil goes round and round, and it comes out ready to be put in any automobile. Don Little, left, and Prof. C. J. Frankforter are watching the machine at work.



The picture on the right shows how the machine effects the color of the oil. The dark oil at right is the used product before the men of Avery lab went to work. The left vial shows some oil good as new after being processed in the machine.

Courtesy Lincoln Journal.

change schedules at this time would cost a considerable amount.

Professor Frankforter has already used reclaimed oil in his own car and has found that the oil has proven satisfactory. Professor Frankforter plans in the near future to publish a report on reclaiming oil.

Georgia Defers High Standing College Students

ATLANTA, Ga. (ACP). Georgia selective service headquarters has recommended that college students be deferred from military training as long as they "maintain a standard of academic work which is satisfactory to the college and to the local board."

Maj. Charles J. Brockman, state occupational deferment director, said the new deferment recommendation will include all college students not yet placed in classification 1-A.

Local boards already had been authorized to defer students taking "essential courses" such as medicine, dentistry, chemistry, engineering, biology, geology, physics and mining, but the state headquarters wants the grades looked into first.

Warner Speaks At First YMCA Open Meeting

The first open meeting of the university YMCA will be held in the "Y" rooms of the Temple at 7:15 p. m. Dr. O. H. Warner will address the group on the subject, "Developing a Personality." All students interested, both members and non-members, are invited.

West Stadium Now Houses Fifteen Varied Occupations

Located in the west stadium is a commercial center that is probably unknown to many of the regular athletic fans on this campus.

Amid the signs directing the audience to their respective sections may be found such signs as "auto repair," "paint shop," "university printing office," and "service office." In all there are fifteen occupations represented.

One of the more unusual departments of the university as well as the state, is the visual education department headed by Mr. Morgan. This department is building a pictorial file of all kinds of industries, animals, and unusual occupations for university use and for distribution throughout the towns and cities of Nebraska.

At present Mr. Morgan is

planning pictures of dairy cattle in Waterloo, Iowa, to be placed on slides and sent to agriculture centers for display.

The NYA students have already oriented themselves to the various writing desks in this section of the campus as the NYA red tape is unwound under the direction of several offices found here.

For those unacquainted on the campus, particularly the freshmen, take an hour off and tour these various departments. Perhaps you will find a lost article in the lost and found department.

Draft Boards Help Soldiers Obtain Work

Re-employment committee men have been appointed for each of Nebraska's 105 selective service local boards to assist in obtaining jobs for returning soldiers, sailors and marines according to Brigadier General Guy N. Henninger, state director of selective service.

All returning Nebraska soldiers are instructed to get in touch with their local board committee men, who will have data on their civilian occupational skill and service record well in advance of his return. Employers are also expected to list employment needs with the nearest state employment office. Local civic leaders and employers have promised full co-operation in dealing with unusual problems and assuring ex-service men of new jobs or of their former jobs.

"Where any employer states that he is unwilling or unable to take back an ex-service man," General Henninger said, "the matter will be turned over to local committeemen. If it is found that the employer is not justified in his attitude, the appropriate local organizations will be expected to show him the error of his ways and bring him to the point where he will reinstate the ex-service man because he wants him. However, if education and public opinion prove ineffective, there remains the law and the United States District Attorney's office for final action."

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