

## A.S.M.E. To Hear Doctor Yellott On Steam Flow Tonite

Armour A.S.M.E. members and their friends will have an opportunity tonight to hear Professor John Yellott discuss his original researches in the observation of flowing steam. His talk will be given at 7:30 P.M. in the 36th floor classroom of the Civic Opera Building.

### Technical Matter

"The paper," Dr. Yellott explained, "will be devoted mainly to a discussion of methods of observing steam flowing at high velocity through nozzles of various shapes. A brief portion of the talk will touch upon the rather technical matter of super-saturation, more over, since this was the original subject under investigation. The technique developed in this work proved of great use in later steam flow studies."

### Frozen Shock Wave

Various points in the discussion will be illustrated by lantern slides, some in color, and also by a short color movie. Some of the material, according to Dr. Yellott, will be a repetition of the graduate lecture given on Friday, Nov. 8, with a different approach. One of the highlights of the evening will probably be the showing of pictures of the formation of ice in high-vacuum steam-nozzles. Several of these show a very unusual "frozen shock wave."

## Chem Graduate Seminar Hears McDonald, Tibbals

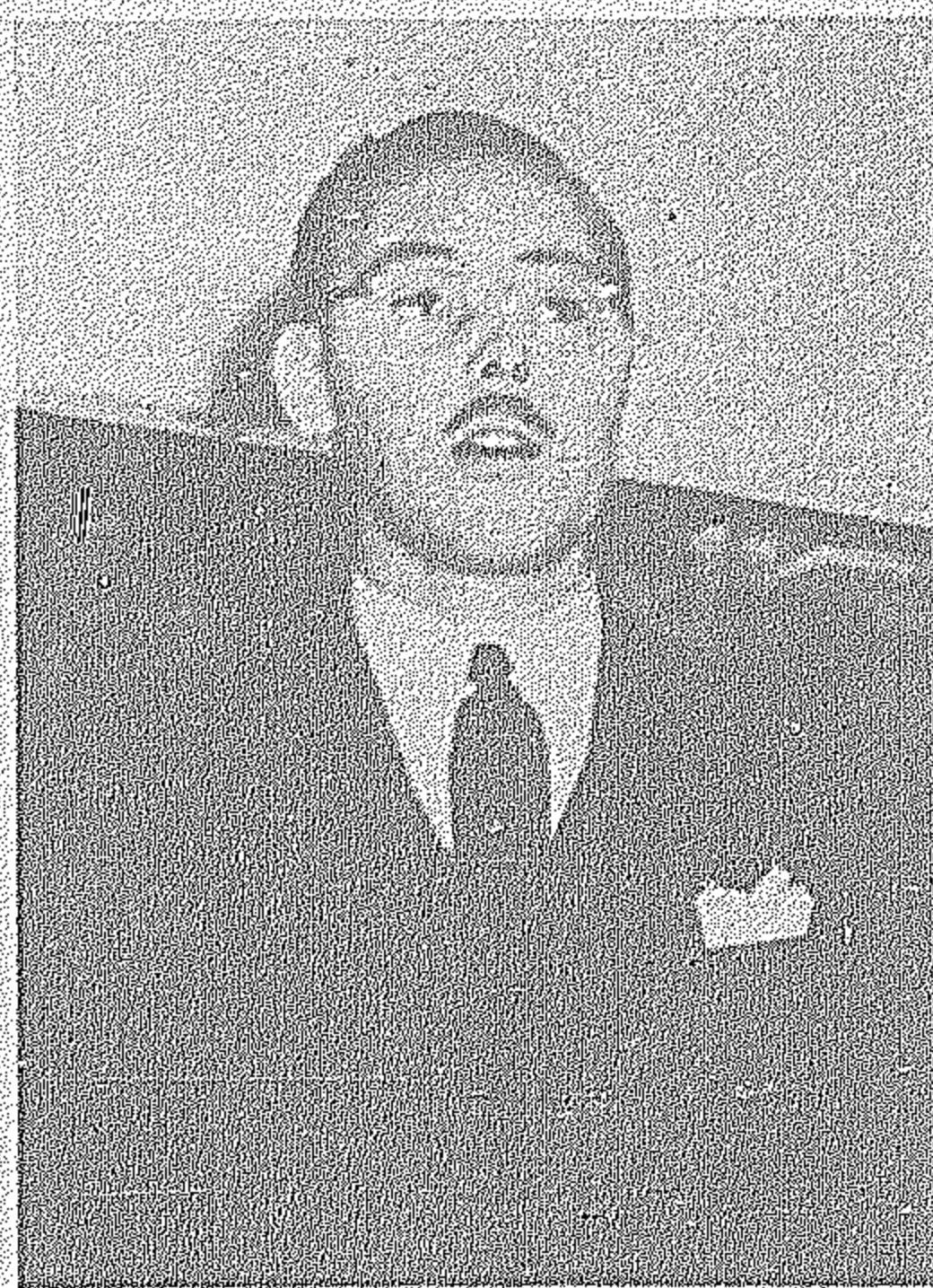
The first seminar of the graduate division of the department of chemistry was held in the east dining room of the Student Union building at 9 o'clock on Wednesday, November 6.

Dr. Freud, in calling the session to order, welcomed members of the Lewis faculty and the Lewis students. He emphasized the fact that since the purpose of the seminar is to teach research technique, the leaders expect full cooperation of the students.

### Students Present

Present in the group of thirty, were three members of the Lewis faculty, namely, Mrs. McKenzie, Dr. McMillan, and Dr. Pappard. Also present were four Lewis students. Dr. Freud stated that members of the department of chemical engineering are also invited to participate in the seminar.

Dr. H. J. McDonald then spoke on *The Phase Rule Diagram of the Ethanol-Glycerol-Benzene System*. Dr. McDonald, an authority on organic chemistry, is a graduate of McGill University, Montreal, and the holder of M.S. and D.Sc. degrees from Carnegie Institute of Technology, and is a chemical engineering instructor at Illinois Institute. It was announced that at the next meeting, Dr. Longtin will speak on *Rate Phenomena*, and that at the following meet-



Dr. H. J. McDonald

By Ed Center, Staff Photographer

ing Dr. Schultz will speak on *Spectroscopic Evidence of Complex Ions in Solution*.

### Research Leaders

Dr. C. A. Tibbals, dean of the Armour College of Engineering, in addressing the group, expressed his pleasure at seeing representatives of Lewis College on the Armour campus. He stated that the seminar is very important to the student, since the student of today will be the research leader of tomorrow.

## Volunteers Use Ping Pong Room In Investigation

Everybody was wondering what had happened to the ping-pong rooms in the Student Union last week until Wednesday noon. The Joint Civic Committee on Elections, a volunteer organization investigating vote frauds, obtained permission to use the place as its headquarters in the second ward. Four telephones were installed; almost two hundred volunteers were here at five o'clock Tuesday morning, a total personnel of 240 working off and on through the day; observers were stationed in all the polling places to see that only those eligible were allowed to vote.

### Information Source

"All things went along quietly throughout the day," according to Mr. M. B. McIlvaine, Jr., a modest, congenial downtown attorney, who was in charge of the group supervising the second ward from the Student Union. "Our main assistance was that of serving as a source of information on procedures pertaining to election and on counting ballots marked in various ways."

Amusing, human incidents brightened the day for almost everyone.

One lady attempted to count the ballots in the midst of a little family rumpus. "Hesh up, yo-all—now I lost my place again!"

Volunteers included many from

## Larkin to Theorize On Future Foreign Pacts By Roosevelt

Gazing into the rather opaque crystal ball of international diplomacy, Prof. J. D. Larkin this Friday will predict future pacts of our President on the basis of past facts. This talk, the second lecture of the graduate school series, will be on the interesting and timely topic of presidential treaty making, and will be given from 10:00 to 11:00 A.M., in Room 110, Chapin Hall.

Sketching briefly the Hull-Lothian destroyer deal, Mr. Larkin will point out the significance of this and other agreements as precedents in possible future presidential agreements of the same nature. The lecture will be repeated in a less technical form to a large audience at the International Relations Club in Lake Forest on the 19th.

Lattices and geometries will be discussed by Prof. R. L. Wilcox for the third lecture of the series to be given Nov. 22, while the epoch-making FM — frequency modulated radio — will be the subject of Prof. R. I. Sarbacher's talk on the following week.

the Quaker Oats and the Northern Trust Companies with a wide variety of occupations, ranging from attorneys and business men to stenographers, four of whom at least were present all day.

HE BOWLS WITH EXTRA SPEED AND EXTRA POWER

# SMOKES CAMELS FOR EXTRA PLEASURE

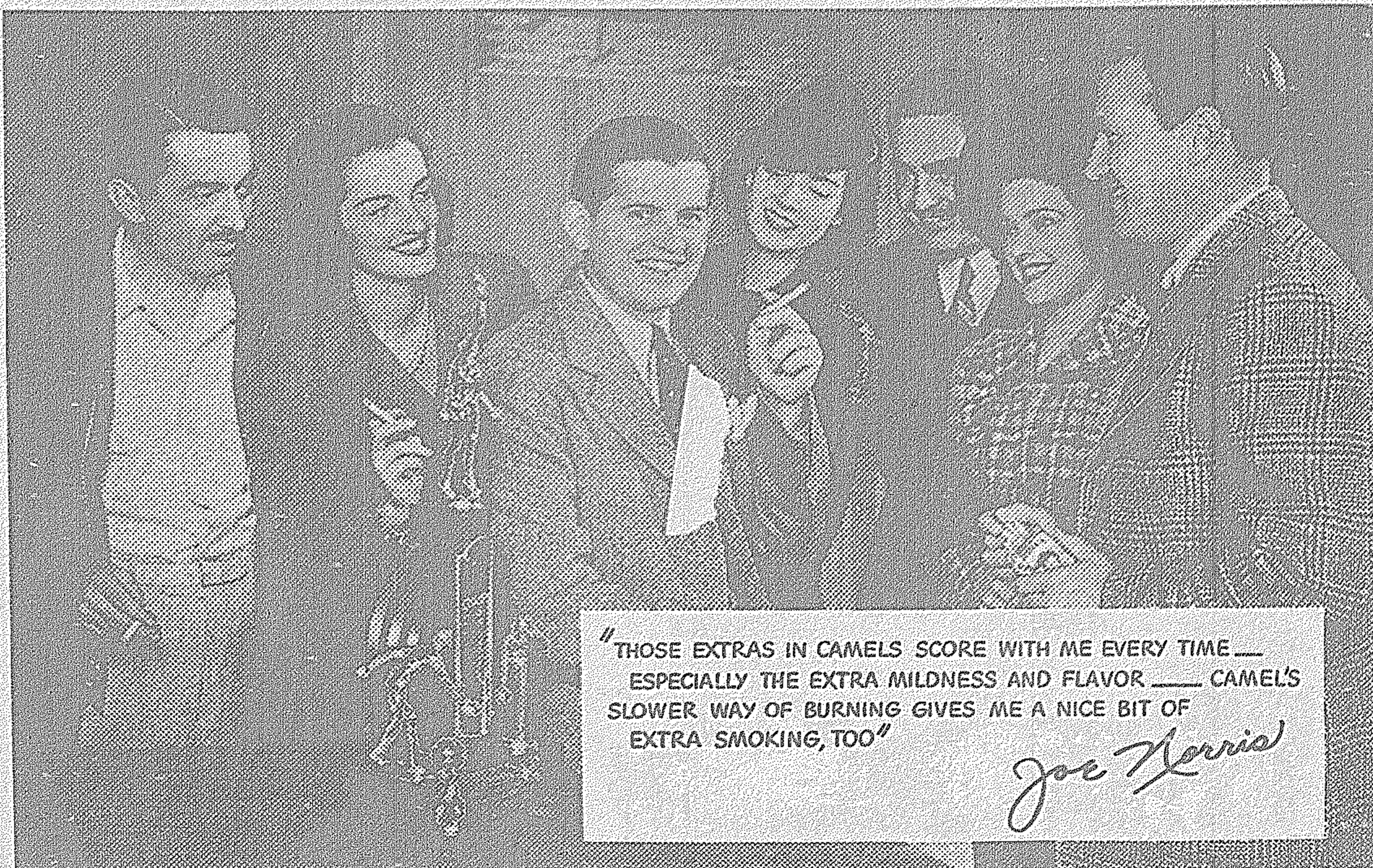
His "Fireball" made him a bowling  
champion. Slower burning won  
Joe Norris to Camel cigarettes

WHAT A MAN in a bowling alley! He was the "boy wonder" a decade ago. Today, with a long list of national titles at his belt, the bowling world still wonders just how he gets such pin-blasting power and such hair-line control... such *extra* power and *extra* control!

No question, though, how Joe Norris gets the extras in his cigarette. He turned to the slower-burning brand... Camel... for extra mildness and found several other pleasing extras as well, including extra smoking.

*Slower burning... costlier tobaccos*—what pleasure they can add to smoking! More mildness and coolness because Camels are free from the irritating effects of too-fast burning. More flavor—because slow burning lets the flavor come through. And along with extra pleasure—extra smoking per pack (see below, right).

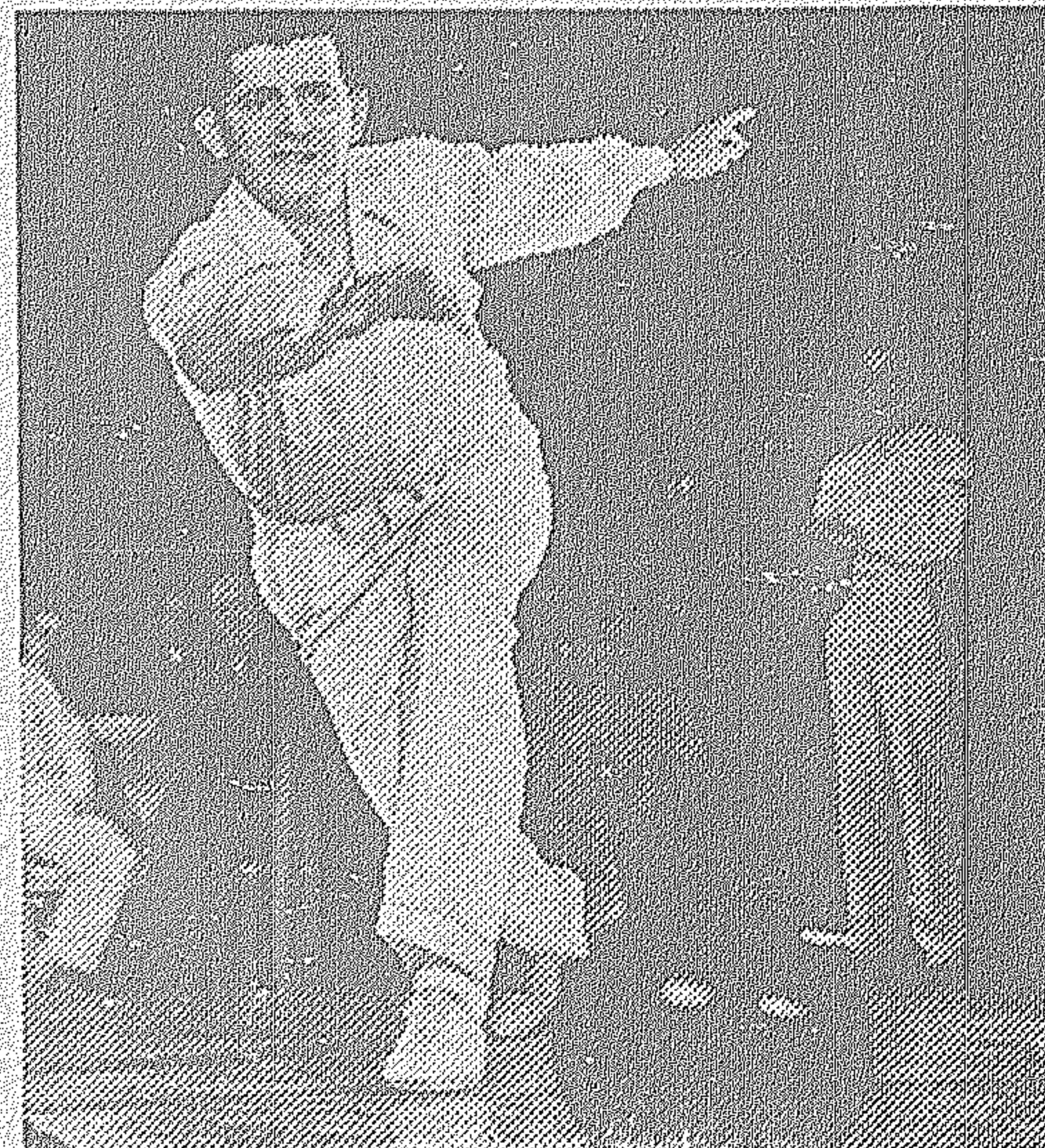
R. J. Reynolds Tobacco Co., Winston-Salem, N. C.



"THOSE EXTRAS IN CAMELS SCORE WITH ME EVERY TIME — ESPECIALLY THE EXTRA MILDNESS AND FLAVOR — CAMEL'S SLOWER WAY OF BURNING GIVES ME A NICE BIT OF EXTRA SMOKING, TOO"

Joe Norris

GET THE "EXTRAS" WITH SLOWER-BURNING CAMELS  
THE CIGARETTE OF COSTLIER TOBACCOS



THIS IS the "Fireball." Joe Norris (above) uses a two-finger mineralite ball with narrow grip—a quick-breaking hook—throws one of the fastest balls in bowling. But no speed... no fast burning... for Joe in his cigarette. It's always slow-burning Camels. He says: "Camels give me extra mildness. And there's nothing like a Camel for flavor."

EXTRA MILDNESS

EXTRA COOLNESS

EXTRA FLAVOR

In recent laboratory tests, Camels burned 25% slower than the average of the 15 other of the largest-selling brands tested—slower than *any* of them. That means, on the average, a smoking *plus* equal to

5 EXTRA SMOKES PER PACK!

