THE MACARONI JOURNAL

Volume 52 No. 6

October, 1970







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OCTOBER, 1970

In This Issue:

Suddenly You're A Great Italian Pasta Cook! National Macaroni Week, National Publicity Effort Macaroni Makes Sense/Cents, Ad in Nutritive Value of Dry Breakfast Cereals 15 On Advertising Food Products 18 Quarterly Durum Report 23 Pasta Product Movement-General Mills Grows .. 30 Index to Advertisers-Classified Ads 32

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Editorial:

National Macaroni Week will celebrate its twenty-first birthday October 15-24. It has matured into a great publicity event.

Many publicity breaks such as the wonderful treatment of pasta in the September issue of Better Homes and Gar-dens (page 4), mention on national television news (page 10), and the regular treatment of macaroni- noodle prod-ucts on the food pages of the major metropolitan news-papers, are pretty much taken for granted by the maca-roni industry.

These breaks are not happenstance. They are the fruit of daily efforts of Theodore R. Sills & Associates on be-half of the National Macaroni Institute. And the National Macaroni Institute is supported by about half of the companies in macaroni manufacturing.

Product promotion by the National Macaroni Institute and National Macaroni Week are deserving of full sup-port of the entire macaroni-noodle industry.

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Suddenly You're A Great Italian Pasta Cook!

WITH the aid of food editors Doris Eby and Joan McCloskey, Better Homes and Gardens for September tells you how to do it.

Start With Soup

They start off with the soup and picture a half dozen soup cuts: Acini di pepe, Conchigliette, Tripolini, Anellini, Egg pastina, Semini di melo, cautioning that names may differ in your lo-cale. Copy states: "As first courses or main dishes, soups are an integral part of Italy's cuisine. Our Stracciatella or 'little rags' belongs to the former category. It tantalizes the taste buds for richer foods to come. This delicacy consists of a seasoned chicken broth, enriched by tiny tripolini (sometimes called nochette). You make the 'little rags' by whisking egg-parsley-parmesan paste into the bubbling broth.

"For full flavor in a soup that could be a main course, choose Crabmeat-in-Shell Soup. Succulent bits of crab in a rich broth seasoned with tomatoes, celery and green pepper make each mouthful a treat. The 'shells' in this marvelous soup are conchigliette or 'little conch shells.'

"Another first course soup is Hot Tomato Bouillon-innocent looking, but take one taste and you'll think you're somewhere in southern Italy. We've garnished our tureen with thinsliced avocado and crumbled bacon.

"To make classic minestrone the American way, try our Quick Vegetable Soup. Start with canned chicken broth and add frozen mixed vegetables, Italian of course, and dry Italian salad dressing for zing. Our pasta in this hearty soup-it's anellini or 'tiny rings."" Recipes are given.

Pasta Bollita

More cuts are pictured dictionary style: Ziti, Nested Vermicelli, Fettuccine verde, Fettucce, Capellini, Fettuccelle, Malfada, Fusilli. And the story continues: "Behind every well-laden Italian table is a kitchen brimming with fresh herbs and a battery of pasta utensils. One of the most common is a large caulron in which to boil (bollita) the pasta al dente-to the tooth.

"Spaghetti doesn't always come topped with a tomato-meat sauce. We've used it in a delicate Salmon Tetrazzini, named after Luisa Tetrazzini, the opera singer. As in traditional tetrazzini, ours is flavored with dry sherry, mushrooms and grated romano cheese

"Thin scallops of yeal in a mushroom-studded tomato sauce served over bright green noodles (they're made with spinach) describes our Scallopini Verde-literally thin little slices of cream of celery sauce. Pop the Tunameat over green noodles. Try any of stuffed Shells into the oven and you'll your favorite sauces, stews or strogo- have an entree that might well become noffs over green noodles next time you plan a dinner party.

"Here's your chance to display your culinary skills. The ingredients are few and the method simple. But, you must follow the proper procedure when making Fettuccine Alfredo. The dish, preferably a chafing dish, must be hot, butter softened, the fettuccine the freshly cooked and hot, the cheese freshly grated, if possible, and the cream at room temperature. Toss quickly and serve immediately.

"Serve Malfada Caruso and listen to your guests sing your praises. Curly malfada makes this chicken liver-tomato sauce extra impressive. Sprinkle on freshly grated parmesan cheese in the Italian manner-bravissimo!" Recipes of these are given.

Pasta Imbottita

Pasta Imbottita pictures Tortellini, Ravioli, Manicotti, and Conchiglioni. The text reads: "Certan dishes benefit from loving care, to achieve an exact blend of herbs and the perfect sauce. These four stuffed (imbottita) pasta recipes are just that kind.

"Manicotti or 'small muffs', whether grooved or perfectly plain, can be Dinner. Browned pork chops sit atop stuffed with a variety of tempting fillings. We loaded our first manicotti recipe with ground ham, sliced mushrooms, and parmesan, then topped it over the casserole to keep it moist with a green pepper flecked Swiss cheese sauce. Result: Ham-stuffed Manicotti with Cheese Sauce.

"In our second version, we used ricotta, parmesan, egg, and parsley for eyes' as our pasta but you may substi-the stuffing and topped it with a meaty tute large elbow macaroni. tomato sauce for Manicotti with Meat Sauce.

make ravioli, we believe our Chicken/- that your company can enjoy without Spinach filled Ravioli is unbeatable. the problem of juggling plates and Although you may find frozen or utensils. Sliced apple in the casserole canned ravioli in supermarkets or food and poached slices as garnish make the specialty shops, ours begins with a dish moist." Recipes for them all are home-made dough that's well worth the given. time and trouble. The 'pillows' are filled with ground chicken, chopped spinach, and parmesan, then topped with a savory tomato sauce. Check gourmet cooking shops for ravioli makers and cutters to help you trim the squares exactly the right size.

"Take a perfect blend of tuna, onio parsley, and lemon juice. Lightly fill conchiglioni or 'jumbo conch shells' with the mixture and top with seasoned your specialty." Recipes for these dishes are given.

Pasta al Forno

Labeled pictures include: Conchiglie, Tortiglioni, Mostaccioli, Chifferoni Rigati, Lasagna, Rote, Cappelletti, Occhi di lupo.

Copy states: "Far from being identi cal throughout Italy, baked pasta (al forno) varies from region to region. Northern Italy is famous for its homemade flat ribbon-like pasta made with eggs and topped with delicate sauces. Conversely, southern Italy is known for its manufactured tubular pasta made without eggs, such as spaghetti and macaroni, and seasoned with robust sauces. Our four baked pasta dishes offer a little of each cuisine.

"Be sure to invite friends for dinner the night you prepare the all-time Italian favorite Peppy Lasagna, for it serves 10 to 12 people easily. The sauce is purely Italian, too, since it's made with Italian sausage, celery, carrot, and oregano. You'll find ricotta cheese in specialty shops.

"To please the man with a robust appetite, serve Seasoned Pork Chop a bed of farfalle or 'butterflies' smothered in tomatoes. Pour marjoramflavored bouillon and tomato juice while baking.

"Serve Creamy Chicken Casserole while the cheese is still bubbling. We've used occhi di lupo or 'wolfs

"Buffet service is easy-for you and your guests-when you feature Ham "While there are dozens of ways to and Mac Bake. It's a fork-only casserole

Better Homes and Gardens Better Homes and Gardens is a wellread magazine. Meredith Publishing

Company of Des Moines, Iowa, says cir-

culation runs 7,777,777.

THE MACARONI JOURNAL













MACARONI makes sense / cents in the Seventies







Above oft, top): Macaroni with Lamb Stew, Greek Style; (right, top): Macaroni Cheese Salad; (lower, left): Spaghetti with Braciole; (lower, ght): Egg Noodles with Sweet Sour Shrimp.

Across reft, top): Spaghetti with Chicken Livers—costed recipe \$2.40, serves 6; (right, top): Main Dish Noodle Pudding—costed recipe \$2.12 rves 6; (lower left): Herbed Macaroni and Cheese—costed recipe \$2.21 serves 6; (lower right): Macaroni with Frankfurter Sauce ~costc recipe \$2.94 serves 6.

fall is the time for hearty eating. Turkey stock with fine egg noodles and vegetables makes a satisfying chowder, and the casserole com-bines macaroni with turkey and canned tomatues. Fruit salad served in apple cups appeals to the younger generation.

THE MACARONI JOURNAL OCTOBER, 1970

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Mecaroni in the News **Publicity Covers** National Macaroni Week Every Media

Major Markets Major Market Newspapers are re- with circulation of 11,000,000, are receiving three releases, each with a new ceiving material on macaroni, spaghetti black-and-white photograph, recipes and egg noodles. and stories. These are supplied on an exclusive basis to newspaper food editors in 212 standard marketing areas. Newspapers and Wire Services and a variety of columnists are receiving storles, photos and an assortment of items on macaroni products and the week plied whenever needed. which spotlight them.

Color Two new color photographs have food products compatible with macabeen taken, and are being placed with roni. They have been informed of Nafood editors whose newspapers use tional Macaroni Week and urged to color transparencies.

Macaroni makes

sense/cents in the

Seventies

10

Small Town Weekly and Daily News- Macaroni in the News papers, some 1500 in number, with total circulation of 12,000,000, are being sent a black-and-white photo with story and recipes.

The Labor Press, 600 publications

Consumer Magazines have been alerted to National Macaroni Week and encouraged to feature macaroni products in their food stories in fall issues. Information, recipes and product are sup-

Cooperative Publicity has been solicited from publicists who promote participate. Recipes and product are



as needed throughout the year.

To Television, two releases-each with a special script and recipes for use in entertaining-have been prepared. They are being supplied to demonstrators of 200 stations across the country. To Radio, to radio commentators of 850 stations nationwide, two releases-

each with a script and recipes for feeding a crowd-are being supplied. Disk Jockeys, some 700 in number,

will receive macaroni story material which they can use any time during the week to alert their audiences at home, at work, and on the highways to National Macaroni Week.

Sell National Macaroni Week, National Macaroni Week will sell for yo .

Smart Shopper Sheet

In following up the mentic of macaroni products as plentiful v eat foods in August, the Weekly Cons ner News of the U. S. Department of . griculture Consumer & Marketing Service gave the following information:

How to cook macaroni, noodles and spaghetti: remember an eight-ounce package of product yields four to five cups when cooked.

- 1. Bring to a full rolling boil.
- 2. Add gradually so boiling does not stop.
- 3. Leave pan uncovered. Stir occasionally to keep from sticking to pan. Read directions on package for cooking time.





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ELECTRIC PANELS AND CONTROLS

Costed recipes for macaroni products main dishes will be assembled in a new leaflet offered to some 88,000 home economics teachers in the October issue of Forecast for Home Eco-nomics, teacher edition of CO-ED Magazine. This annual advertising stimulates demand for some quarter of a million recipe leaflets annually by teachers, students, demonstrators, serv-ice clubs, etc. Lest year's "Pesteport" carried a collection of hunters' trophles from Durum Country, and the year before a mod theme was used in "Think Spaghetti,"

copies. Doesn't that make sense?

Macaroni is the generic term describing mecaroni, speghotti

Macaroni makes sense/cents in the seventies, That's a fact. That's also the title of a new leaflet with costed racipes for main dishes, What bet-

ter place than your classroom for students to learn the budget-stretching qualities of macaroni, spaghetti and egg noodles? You can also tsach

them the proper way to cook macaroni products and the food value of

macaroni." They'll find out for themselves that economical dishes can

also be delicious. So turn to page to right now and order your free

The National Macaroni Institute

Celebrating National Macaroni Week, October 15-24

THE MACARONI JOURNAL

OCTOBER, 1970

Devid Brinkley, NBC News commentator, carried on 209 stations to 6,400,000 house-holds, recently stated: "As shown in today's government figures (July 21), food prices are still rising, though not as fust. When meat becomes too expensive, a lot of people eat macaroni. The National Macaroni Man-ufacturers Association announces that in the first half of this year, sales of macaroni were the highest in history." (From column two) supplied to these cooperating publicists



Nutritive Values of Macaroni - Noodle Recipes

a report on analyses and nutritive sages that have been grilled or fried to values of various recipes.

The nutritive values are expressed in the percentage of the minimum daily requirements provided by a serving. Each recipe in this compilation provides four servings. Data is given for both enriched and non-enriched products. Energy is equivalent to the calories contributed by each portion.

The studies were made in the Jacobs-Winston Laboratories. They point out the difference in vitamins and iron when enriched products are used. The higher level of calcium results from the optional use of added calcium as provided by the Standards of Identity.

1. Sausage Cakes in Noodle Nests Your family will thrive and your budgets balance on simple hearty fare like this

- 1. lb. bulk sausage
- 1 onion, minced 2 tablespoons flour
- 1/2 lb. egg noodles
- 1 green pepper, chopped 1 tablespoon butter
- salt and pepper to taste

Form sausage into six flat cakes and fry. Add the chopped pepper, minced onion and seasoning. When sausage is cooked to a golden brown, remove from pan, pour off excess gravy, leaving 1/2 cup of thick fryings. Add flour and stir until smooth. Boil egg noodles in salted water until tender. Drain. Form nests 30 minutes at 350 degrees. of noodles on platter, putting sausage cake into each nest. Pour gravy over sausage and noodles. Serve hot.

Percentage	of	Minimum	Daily	Adult
	R	miremente		

	Recipe	When
	No. 1	Enriched
Protein	30.9	30.9
Energy	30.8	30.8
B-1	39.7	64.7
B-2	14.5	22.2
Calcium	2.9	11.3
Iron	37.0	53.3
Niacin	88.8	108.8

2. Spaghetti Sausage Platter A no fuss, no bother dish with unfailing appetite appeal. 1 lb. spaghetti

- 14 cup melted butter
- 3 slices pineapple
- 6 stewed prunes
- 1 lb. link sausage

12

Cook spaghetti in boiling, salted water until tender. Drain and mix well

AMES J. Winston, Director of Re- with melted butter. Arrange in mound Percentage of Minimum Daily Adult on serving platter. Surround with saua golden brown. Garnish the platter with pineapple slices and prunes.

Pro Percentage of Minimum Daily Adult Ene B-1 B-2 Calc Requirements

	•		B-1
	Recipe No. 2	When Enriched	B-2 Calc
Protein	36.3	36.3	Iron
Energy	42.5	42.5	Niac
B-1	53.4	103.4	
B-2	17.5	32.3	
Calcium	6.7	23.3	A
Iron	31.4	96.6	
Niacin	63.9	137.1	½1 1e
1 0	1.L M		1 -

3. Spanish Macaroni Casserole

- A time-saver and appetite appeaser. 14 lb. macaroni 1/4 lb. cheese, grated or cut in small
- pieces 1/2 cup diced celery
- 2 medium onions, chopped fine
- 1 can whole tomatoes 2 taulespoons chopped green pepper
- 2 tablespoons butter 2 cups white sauce, medium thick
- salt and pepper to taste Cook onions, green pepper and celery

in the butter until tender. Cook macaroni in boiling salted water until tender and drain. Combine macaroni and cooked onion mixture, arrange in layers in baking dish with alternate layers of cheese and tomatoes. Season and pour white sauce over it. Cover and bake Requirements

	No. 3	When Enriched
tein	42.9	42.9
rgy	29.4	29.4
	20.0	70.0
	21.0	35.8
cium	84.7	101.4
1	35.8	68.3
cin	31.3	61.3

4. Spaghetti and Meat Balls A one-dish meal-the cook's friend.

1/2 lb. ground beef

1 egg, beaten

- 1 cup grated cheese
- 12 lb. ground lean pork
- 1 cup moistened bread crumbs
- 1 clove garlic, chopped fine
- salt, pepper, sage and other spices to suit taste
- 1 lb. spaghetti

Mix meat and other ingredients, except the spaghetti, thoroughly. Shape into golf ball size. Fry in butter until brown.

Put into deep pan with tomato sauce or previously prepared spaghetti sauce. with some water or stock and cook slowly until done.

Cook spaghetti in plenty of boiling. salted water until tender. Drain. I lace on platter, garnish with meat-balls and pour gravy or sauce over all.

(Continued on page 15)



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NES¹ NESTS NESTS

Nut tive Values-

intinued from page 12) Minimum Daily Adult

	Requirements			Requirements	
	Recipe No. 4	When Enriched		Recipe No. 6	When Enriched
Prote	63.9	63.9	Protein	10.8	10.8
Eneri	40.2	40.2	Energy	14.2	14.2
B-1	63.4	113.4	B-1	12.3	37.3
B-2	22.4	37.2 72.9	B-2	5.2	13.0
Calcium	56.3	100.0	Calcium	9.5	17.9
Iron	67.5 61.9	101.9	Iron	15.4	31.7
Niacin	01.9	101.0	Niacin	1.4	21.4

5. Spaghetti Italian Style

Classical composition with an excel-

ent sauce. 1 lb spaghetti

1 6-oz. can tomato paste

Pro

Ene B-1

B-: Cal

lior

Ni.

- 2 cloves garlic, finely cut
- 1 lb ground meat (beef or beef pork)
- 21: cups cooked tomatoes (1 No. 2 can) Bayleaf and parsley, finely cut 2 tablespoons olive oil or butter
- salt and pepper to taste

Heat olive oil or butter in heavy frying pan. Add meat and cook until browned. Add tomato paste mixed with · cup of water, cooked tomatoes and seasonings. Simmer slowly from oneone hour. Longer cooking imhalf prove flavor.

- spaghetti in boiling salted wa-Cui I tender, 15 to 20 minutes. Arter u
- ot spaghetti on hot platter. Pour rang over the hot meat and tomato sauce. Sprin
- e with grated Parmesan cheese, if de ·d.
- Ptr: tage of Minimum Daily Adult Requirements When Recipe Fariched

	No. 5	Enriched
	21.6	21.6
	28.8	28.8
	23.4	73.4
	20.5	35.3
:1	7.8	24.4
	56.1	88.6
	58.7	98.7

6. Macaroni Fruit Salad

arty dish-exceptional appeal-

- casy create.
- elbow macaroni p orange or grapefruit sections
- op pitted sweet cherries or pine-
- 1 up sliced red apple, unpeeled
- 2 up diced celery
- Mayonnaise or French Dressing Cunk macaroni in boiling, salted water until chewy. Do not over-cook-Drain and spread thinly on a shallow platter to cool and prevent massing. When cold, combine with other salad

ingredients. Mix with mayonnaise or a tification and finally compare the nusweet French dressing and serve on lettuce or from a salad bowl.

Macaroni Fruit Salad

Editorial Note: The following testimony given by Dr. L. M. Henderson, Professor and Head, Department of Biochemistry, College of Biological Sciences, University of Minnesota, before the Senate Subcom-mittee on Consumers, August 4, 1970, alls the matritional story for most cereal foods.

T is a privilege to appear before this

I subcommittee to present testimony

regarding the nutritive value of pre-

pared breakfast ccreals and the role of

I have been a practicing nutritionist for

the past 25 years and have taught nutri-

tion and biochemistry in four major

and Nutrition Board, was an editor of

the Journal of Nutrition and served as

a nutritionist in the Army during

Cereal's Place

1 propose to testify regarding the

place of cereal grains in the human

diet, and the comparative nutritive

value of various cereal products with

special attention to ready-to-eat break-

fast cereals. I shall then discuss the

rationale and the hazards of cereal for-

World War 11.

these foods in the diets of our citizens.

Nutritive Value of

Dry Breakfast Cereals

tration value of a number of typical American breakfast menus The cereal grains, chiefly wheat, rice Percentage of Minimum Daily Adult

and corn, have played a dominant role in the nutrition of mankind throughout recorded history. Cultivation of small grains made it possible for man to settle down and dscontinue his nomadic existence. Products prepared from cereal grains, usually a baked product of some description, became the major source of calories and nutrients. Except for North American and Northern European civilizations most peoples have continued to rely largely on one or more of the cereal grains as the chief source of nutrients. It therefore seems desirable to establish the nutritional adequacy of these cereals for man. Does their composition justify calling them the "staff of life"?

Nutrients

An examination of Table 1 (1) reveals that with the exception of vitamins A. C, and D (not shown) the nutrients of greatest concern for man are provided rather generously by the major cereal grains. Because of our greater concern for wheat, the whole grain, patent flour and enriched patent flour are included. Corn flour and polished rice are also included and because of the concern of these hearings a dried cereal. Cheerios, which appears as No. 25 on Mr. Choate's rating of prepared cereals, has been included. To permit comparison with man's requirements for nutrients, the Recommended Dietary Allowances (2) for a male, age 18-22, weighing the average 147 pounds are shown in the last column. The quantity of each cereal used in the calculations is that amount required to meet the caloric re-

quirement (2800 Cal.). It should be pointed out that while an all-cereal diet of this kind is not recommended or desirable, the data in the table do illustrate that cereal grains or products made therefrom, provide many nutrients, notably protein, phosphorus, B-vitamins, and iron in more than the quantities required to match their caloric content. Therefore cereal universities. I am a member of the Food grains, far from being "empty calories," are about as complete as any single

food. Table I illustrates other important facts about the nutritive value of cereal grains. A number of nutrients, for example the B vitamins, thiamine, riboflavin and niacin, are partially lost in milling and unless these are added back to the flour it does not contain sufficient of these vitamins or iron to meet man's needs. This was recognized 25 year: ago

(Continued on page 16)

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Dry Breakfast Cereals-(Continued from page 15)

1010

and enrichment to correct the manmade deficit was instituted by our millers and bakers. In recent months attention has been given to broadening enrichment to include all cereal products and to increase the content of iron in bread and flour. Except for vitamin A and ascorbic acid, which are absent from most cereals, the nutrients here considered are provided in ample amounts by enriched wheat flour. Breakfast cereals, as marketed, compare favorably with wheat, enriched flour, corn and rice in providing these nutrients.

In our country the percentage of the calories coming from cereal grain products varies widely reflecting to some degree the economic status of the individual. Those who can afford to consume liberal amounts of animal products frequently do so. If care is taken to meet the calcium, vitamin A and ascorbic acid requirements by eating foods containing these nutrients, enriched cereal products are a low cost base on which to build a healthful diet. Calcium is provided by dairy products and vegetables. Vitamin A is present in butter, margarine, whole milk, and green vegetables and vitamin C is provided largely by citrus fruits, juices and other fruits and vegetables such as potatoes.

How to Teach Nutrition

Many professional nutritionists have grappled with the problem of how to teach nutrition to the general public. There are numerous mixed diets which can be used to meet human nutritional needs, yet ignorance or misguided avoidance of certain protective food groups can lead to inadequacies which pose health problems. Our diets must contain approximately 30 nutrients in ample quantities to meet our physiological needs. We cannot expect the housewife to plan her menu or purchase her food on the basis of these individual nutrient needs. She purchases foods not nutrients. Even the trained dietician or nutritionist operates by "rules of thumb," based upon the frequency with which certain recognized protective foods should appear on the menu. The simplest and perhaps the most realistic approach to selection of diet by the housewife is the so-called "Basic Four" food group plan. More complicated bread, corn meal, corn grits and white schemes have been used, including a rice, vitamin D to milk, vitamin A to seven food-group approach, but these have proved too complicated for many household shoppers.

The "Basic Four" food groups are: 1. Meat, fish, poultry, eggs and legumes.

2. Milk and dairy products. 3. Vegetables and fruits. 4. Cereals and breads.

If at least one major serving of a food from each of these groups is received each day it is unlikely that serious nutritional difficulties will occur. The wile variation in the vitamn A and C content of different fruits and vegetables and the similarity of potatoes to cereals are examples of the shortcomings of such a simplified system. The patterns of food consumption clearly place the cereal group in the role as an important source of B-vitamins, carbohydrate for energy, protein and certain minerals.

A special supplementary relationship between cereal grains and milk is recognized by most mothers and by livestock feeders. Milk provides the calcium and riboflavin which are marginal in the cereal components of the diet. Further the quality of wheat proteins is not ideal because of the relative shortage of certain indispensable amino acids. Milk and other animal products supply these particular amino acids to provide a protein combination of good overall quality. Thus mixed diets provide simple assurance of cconomical and healthful food.

Use Technology

Une may ask, why we should not take advantage of our technology which has made nutrients, especially vitamins and minerals, available prices which would permit us to fortify any foodstuff to make it adequate with regard to these nutrients. If we are to modify the nutrient content of man's foods we must develop and follow well defined guidelines because an excess or an imbalance of certain nutrients can be harmful. This matter has been discussed extensively by those concerned with fortification of foods. In 1968 a joint policy statement was developed by the Council on Foods & Nutrition of the American Medical Association and the Food and Nutrition Board of the National Academy of Sciences. The general purpose of this policy was to provide guidance for the addition of nutrients by food manufacturers and generally to prevent either over or under fortification. The present practices of adding B-vitamins and iron to cereal grains including flour. bread, corn meal, corn grits and white margarine and skim milk, iodine to table salt, etc. were endorsed. The joint policy statement recommends that enrichment, fortification or restoration beyond current, accepted practices should be adopted cautiously to prevent

wasteful or dangerous over for fication. Of particular concern are si cial-ty, formulated foods which if fo ified without throughtful limitations ould lead to toxic levels of nutrients Perhaps the best known example of departure from this principle are the spe-cial high nutrient breakfast c reals which were rated so highly by Choate. If a large number of such highly fortified foods, which provide 5-10% of the caloric needs but 100% of the nutrient requirements, find their way to the grocer's shelves, it will become possible for the consumer to receive 5-10 times his requirement for nutrients, which is for some nutrients approaching dangerous levels. Recognition of this potential hazard prompted the joint statement on fortification policy. Clearly the overfortified breakfast cereals are compounded in violation of the principle of this fortification policy statement and we should not make the matter worse by over-fortifying other breakfast cereals or any other food products. I note that a news release from the Food & Drug Administration indicates that they may soon release guidelines which might result in the removal of such over-fortified breakfast cereals from the market.

Rating Foods

With regard to rating foods on the basis of nutrient content, a case can be made for rating a cereal which pro-vides 4% of the calories and 4% of the other nutrients above a product which provides 4% of the calories and 100% of the nutrients. The manifest absurdity of adding nutrients together as though they were interchangeable violate; all the principles of nutrition. A nut ient is useful in the diet only if it pre ants A food containing 100% of the rec ireor cures a deficiency of that ele: ant ments for 8 nutrients, but none o: the ninth nutrient is obviously inferi - to a products which contains 10% c the requirements of all nutrients, ye the latter would have a score of 90 an the former a score of 800 using Cht te's scoring scheme. Nutrients are req red in specific amounts and an exce. of one will not replace another, indeed an excess of a nutrient may accentuate the deficiency of the one in shortest su; ply. Another way to look at the nutritive contribution of breakfast cereals is to place them in their usual surroundings, breakfast menu. Studies have the shown (3) that in terms of frequency, skipping breakfast occurs more often than consumption of any single breakfast menu. The second most common breakfast behavioral pattern is the ingestion of coffee only. (Continued on page 18)

THE MACARONI JOURNAL



Dry Breakfast Cereals-(Continued from page 16)

It is evident that even the most generous breakfast of bacon and eggs, toast and coffee provides only 15% of the daily caloric requirement. The role of milk in providing calcium, protein, riboflavin and vitamin D, orange juice in providing vitamine C, eggs in providing protein and vitamin A, and cereals and toast in providing thiamine and niacin show clearly that breakfast provides more than its share of protective foods. The milk-cereal combinations provide nutrients beyond their caloric contribution and when combined with a citrus juice constitute a nutritious breakfast.

The current concern over heart and circulatory diseases and the possible contribution of dietary factors such as cholesterol and saturated fatty acids. makes the breakfast cereal a popular and practical alternative to the breakfast composed largely of animal products. The taste appeal for the young and old and the possible health incentive for the adult is likely to permit ready-to-eat cereals to continue to provide healthful nourishing breakfasts.

. REFERENCES

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- 2. Recommended Dietary Allowances, Seventh Edition, 1968. Publication No. 1694, National Academy of Sciences, Washington, D.C. A Report of the Food and Nutrition Board, National Research Council.
- 3. Menu Diary of MRCA. 3rd National Household Menu Census, Market Research Corp. of America, July, 1967-June, 1968.

On Advertising Food Products

"The advertising of food products presents a different problem than the advertising of other consumer packaged products," says John Phillips, president of R. J. Reynolds Foods.

"Compared with what advertising does for drugs and cosmetics, and to a lesser extent cleaning products, it does not create as many advance decisions on food buying. A pain killer commercial, for example, can have a more immediate and personal effect. A woman sees it, associates the product with a personal need and decides, 'I'm going to buy it.' But for most women who prepare 1,000 meals a year, food products and brands tend to blur. So an ad or commercial for a food product primarily simplifies and influences the buying decision-making process, except for new food ideas. Food advertising

Table I. Nutrients Provided by the Quantity of Cereals which Provide 280 Cal.

Nutrient	Wheat	Flour	Enriched Flour	Corn Flour	Polished Rice Ch	eerios"	R. A. 18-2 yr. old nale	
Quantity gm.	850	770	770	760	725	710	(4)	
Protein gm.	120	52	82	59	57	95	:)	
Fat gm.	18.9	7.7	7.7	19.8	3.4	50		
Carbohydrate gm.	590	590	590	580	690	505		
Calcium mg.	308	126	126	45	207	1300	810	
Phosphorus mg.	3300	680	680	1250	810	_	800	
Iron mg.	26.6	6.2	22.3	13.8	6.8	30.0	10	
Vitamin A I.U.	0	0	0	2600	0	0	5000	
Thiamine mg.	4.9	.4	8 3.3	1.52	.61	5.7	1.4	
Riboflavin mg.	1.0	.3	8 2.1	.45	.23	0.9	1.6	
Niacin mg.	37.0	7.1	27.5	10.8	13.5	12.5	18	
Ascorbic Acid mg.	0	0	0	0	0	0	60	
 Information on the Mills. 	composit	ion of d	ried brea	kfast ce	reals pro	vided b	y General	

works more in a cumulative process by building brand familiarity and ultimately simplifying the decision-process when the woman is shopping in the market."

Packaging

One suswer to the weakened impact State of Mind of advertising, says Phillips, may be more imaginative approaches in other areas: "For example, we've had some cases where we got more impressive reaction from packaging than from ad- \$280,000,000 annual sales). Said he: vertising. One product had been declining in sales for several years; a new first quarter profits were up 31% the package started it on an uptrend. In stock should only drop five points." another case, a product improvement

was dramatized on the package; reaction came so fast and so strong even before advertising reached the public that we knew we would be short of product on a national rollout."

Conditions in the financial community were aptly capsuled recently by Franklin Knobel, board chairman of Bohack Corp. (177 grocery stores with "When the good news gets out that our



Quite A Package—Golden Grain Macaroni Co., San Leandro, Calif., launches its biggest advertising program this fall to support its Rice-A-Roni, Noodle-Roni and Macaroni-Cheddar products. According to Vice Pres. Tom DeDomenico, the 1970-71 campaign will exceed \$3.5 million. Like attractive Sharon Maher, shown here, Golden Grain will be largely leaning on TV, with some 70 stations in 40 marketing areas across the nation, DeDomenico soid, although mogazines and expanded use of newspapers figure into the package. Rice-A-Roni and Noodle-Roni also "oppear" regularly on Monte Hall's "Let's Make a Deal" (ABC-TV) and Jack Kelly's "Sale of the Century" (NBC-TV) as weekly prizes on these network shows.

THE MACARONI JOURNAL



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For the past twenty-five years our company has been engaged in the manufacture and development of accurate net weighing equipment as well as the subsequent packaging machinery which is used for long cut pasta goods.

Our range of machinery for long cut pasta goods comprises -

Automatic net weighing machine Model E MWLT which incorporates electromagnetic conveying and control equipment

Automatic electronic net weighing machine Model SWLT

Form, fill and seal machine for long cut pasta products Model SPM using laminates, cellulose film and polyethylene materials taken from the reel

Automatic high speed cartoning machines for long cut pasta products Model CAR 6

The long cut goods can be either packaged in a pillow pack or in a carton and the system of weighing can be either the standard beam weigher or the electronic weighing machine.

As well as supplying the weighing and packaging equipment we specialise in the manufacture of automatic transfer and collating systems, so that, in most cases the long cut goods can be taken automatically from the saw benches and there is no manual handling of the product from that point until the goods are in their final packaged form.

Cartoning long cut pasta goods

Normally the line of plant consists of the conveying from the saw benches to the hoppers of the automatic weighing machines and the product from each weighing head is collected and transferred into the infeed pocket conveyor of the cartoning machine. Lines of plant can be supplied in outputs up to 70, 120 and 210 packs per minute.

Description of illustrations:

1. Cartoning system for long cut goods using one electronic weighing machine and cartoning machine. Output: 60 – 70 packs per minute

 Cartoning system for long cut goods using two electronic weighing machines and cartoning machine.

Output: 100 - 120 packs per minute

3. Cartoning system for long cut goods using three electronic weighing machines and cartoning machine. Output: 210 packs per minute

4. Rear view of illustration No. 3, showing the transfer and feed system for the long cut goods when taken from the saw bench. The unit in the foreground is used in mixing the "cuts" together before they are fed to the overhead bucket conveyor.

Output up to 210 packs per minute

5. Model MST mixing machine for long cut goods.

6. Model MSTW machine for mixing and turning long cut pasta goods.





William







Fully automatic cellulose-film and polyethylene bag form, fill and seal machines type SPM 30 and SPM 50

for making, filling and sealing of cellulose-film and polyethylene bags, above all for macaroni and spaghetti. The equipment is supplied to operate from printed or non-printed reel fed material, and this can be either cellulose film or polyethylene.

The fully automatic cellulose-film and polyethylene bag form, fill and seal machine type SPM 30 and SPM 50 are Ideally integrated by the Electronic High-Speed Weigher type SWLT or the Precision Double Weigher type EMWLT for fully automatic weighing and packaging of macaroni and spaghetti into

AMACO incorporated

2601 W. Peterson Ave. Chicago, Illinois 60645 Tel.: (312) 561-2874 Cable: Speedmac TWX: 910-221-5606

transparent bags of either cellulose film or polyethylene. The weighers can be fed from the floor above, if required. This equipment will operate in a particularly economical manner if the product is supplied from the dryer via the saw and the automatic mixing unit directly to the weigher infeed belt without the Intervention of manual handling.

Sizes

maximum width of material 300 mm

maximum bag length 350 mm, minimum bag length 200 mm.

HÖFLIGER + KAR

Output:

SPM 50 with SWLT 50:

up to 45 bags per minute

SPM 30 with SWLT 30:

up to 30 bags per minute

up to 30 bags per minute

up to 18 bags per minute

up to 25 bags per minute.

SPM 30 with 2 double weigher EMV

Homber of the Bos of G 705 Walblingen, W. Germa H+K 525 E - 8/70-1

Quarterly Durum Report Late Planting Season

Cuts Production In Half

The U. S. Department of Agriculture ports planting of durum was started in North Dakota about mid-April, a bit ter than normal. Intermittent rain and snow slowed the seeding operation, owever, and the job was not comleted until about mid-June when 98% North Dakota's crop was reported planted. In early July, development of the crop was still behind normal but rarm weather and adequate moisture ade for rapid growth. The U. S. Department of Agriculture estimated pro-duction of durum wheat in 1970 at 50 illion bushels, based on conditions July 1. This was about one-half La such as was produced in each of the ast two years and would be the lowst production since 1961. Yields were Guatemala precast at 25 bushels per acre comared with 31.9 last year. Lower yields Italy effected late planting, below-normal ainfall in June, and high temperatures a late June. Acreage seeded to durum was reduced 40% from last year with grower decisions based on large stocks, Norway ow durum prices during 1969 and 1970, Panama and lateness of the planting season. Just over 2 million acres were devoted o durum wheat production with 1.8 nillion of it in North Dakota. Crop conditions had not improved the outlook by August 1, and the Crop Reporting Service estimated production based on August 1 conditions at 48.1 million bushels, even lower than the July estimate

Stocks

Durum stocks on July 1 in all position to aled 77.4 million bushels. Farm stocks were record-high at 59.7 million bushei double those of a year ago. Off-fa i stocks were only slightly larger han in April but were 52% above ance f lose of July 1, 1969. Disappearthe crop year was 70.1 million bushe against 82.6 million the year before CCC had 3.4 million bushels of durun wheat in its non-committed in-

Inspections of durum wheat for exort totaled 7.4 million bushels during the final quarter of this season and dur-ing the crop year 34.2 million were inspecied for shipment overseas. While lotal export inspections this year were bout 26% smaller than last season, they were the third largest of record. aly, the Netherlands, Algeria and rance were major customers account-

OCTOBER, 1970

	1,000 1	ACTES			1,000 1	DUBILE
	Acreage		Yie	ld	Production	
	1970	1969	70	69	1970	19
North Dakota	1,724	2,781	24	33	41,376	91
South Dakota	108	234	21	21	2,268	4
Montana	126	230	24	30	3,024	6
Minnesota	34	88	28	29	952	2
California	10	5	50	36	500	
United States	2,002	3,338	25	32	48,120	106
man and a state of the state of						

Processing Method

that of the former method.

Semolina Farinograms

Export Destinations Crop Years in 1,000 Bushels Bv 1969-70 1968-69 1967-68 5.860 8,220 8.692 Algeria Angola 51 2,510 2,284 2.816 Belgium Canal Zone 34 75 Colombia 57 Costa Rica 100 67 Domin, Repub. 376 379 282 9,367 4,847 3.703 France 918 615 W. Germany 157 223 118 46 Ireland 13.774 7 154 3 228 1,437 772 Japan 429 290 Libya -661 Morocco Netherlands 6.014 6,600 3,670 147 60 47 183 20 39 Philippines Poland 916 Portugal 1,010 Tunisia 2.073 1,491 318 U. Kingdom 56 1,326 1,854 Venezuela Other 42

In Canada

Total

Prairie Provinces. At 3.1 million acres.

Canadian Grain Research Lab Reports

um, the report states;

Director G. N. Irvine, Grain Research Laboratory, Board of Grain Commissioners for Canada, has made an annual report for 1969. Concerning amber dur-

Durum Show, Langdon, N.D. October 19-20-21

Spaghetti Quality

SPM 30 with 1 double weigher EMW vento: on July 1, 1970. SPM 30 with 2 semi-automatic eight Exports

854 466 2.516 101 1.224

37 34,244 46,402 31,103

Commercial disappearance of durum wheat in Canada for the crop year August 1 through June 30 totaled 20.5 million bushels aganist 21.7 million the comparable period last year. Exports accounted for 16.2 million bushels and domestic use, which includes milling for export, accounted for 4.3 million bushels. Visible supply of Canadian durum at the end of June was about double what it was a year ago and amounted to 25.5 million bushels. On July 31, 1970 the Dominion Bureau of Statistics released preliminary estimates of durum wheat acreage in the

they indicate a 3% decrease as compared with the 1969 acreage.

processed into spaghetti. There was no effect on either the cooking quality or the farinogram.

wheat

(Continued on page 24)



Canadian Lab Reports-(Continued from page 23)

Degrading Factors and Spaghetti Quality

In cooperation with the Inspection Division, a study was undertaken to determine the effect of degrading factors-sprout, smudge, mould, mildew, frost, green, blackpoint, immature keron semolina and spaghetti quality. Results are being evaluated.

Effect of Protein Content on Spaghetti Quality

In a previous study, it was shown that gluten quality largely determined the cooking characteristics. In the study with the degrading factors it was found that all low-protein samples (below 10.5% protein) had poor cooking quality. A high and low protein 3 C.W.A.D. wheat sample (9.5% and 17.7%) were obtained, milled into semolina, and mixed to give samples ranging in protein content from 8.5% to 16.6%. Spaghetti samples below 11.0% protein were poor in cooking quality while those between 11.0% and 14.0% were normal; above 14.0% the cooking quality was superior. The minimum protein content for our predominant durum wheat varieties (Stewart 63 and Ramsey) should be 10.5% to 11.0% to have acceptable cooking quality.

Durum Varieties Grown by Canadian Plant Breeders

New and promising varieties of amber durum wheat are subjected to a detailed assessment of milling and mac- areas and leaving this bonus to farmers aroni making quality. In 1969, tests included 16 varieties grown at six stations in Western Canada the previous summer. Standard varieties were Mindum, Stewart 63, Hercules, Ramsey, and Pelissier. Eleven test varieties included six developed at the Canada Department of Agriculture Research Statoin, Regina (D.T. 315 to 317, D.T. 324 to 326); four developed at the University of Saskatchewan, Saskatoon (D.T. 320 to 323); and one developed at the Research Station in Winnipeg (D.T. 402). Three of the new varieties (D.T. 315 to 317) were in the test for the second year; the remaining eight were examined for the first time. Only one of the test varieties (D.T. 402) was rated not equal to Mindum.

Upside-down Economics

Editorial from Business Week There are two good features in the new farm price support program that now is taking shape in Congress. One is a ceiling of \$55,000 on government payments to any one producer for limiting production of a crop. The other is

a provision allowing farmers who have Gioia Expands complied with acreage set-aside requirements to plant additional acreage and market the crop without benefit of

supplemental payments. Both these faltering steps are in the right direction. They would move the farm sector of the economy almost imperceptibly in the direction of free markets and unrestricted production.

In other respects, however, the new farm program is simply a mindless application of the upside-down economics that has prevailed in farm policy since the 1930s. Although the government no and to increase the company's capacity longer encourages destruction of farm oducts as it did under the New Deal, it still pays a bonus to farmers for not producing, and it still supports prices.

This testifies to the lingering political power of the farm bloc but not to the economic wisdom of the lawmakers. Propping up prices and restricting output of farm products is sheer insanity for a nation that has been forced to throttle down business in its effort to control inflation. As it happens, agriculture is one area where increasing production would bring major gains in productivity, which the country badly needs.

The new program, moreover, promises to cost the government about \$3.5billion a year, approximately the same price tag that was attached to the last farm program, enacted in 1965. Just why the budgetmakers should be chopping back vitally needed programs in education, housing, welfare, and other untouched is something that only a politician can explain. No economist would try.

At this point there seems to be no way to keep the bill from passing. But it should not become law without being labeled what it is: a straight payoff to rural voters.

Honor for Dr. Kenneth Gilles

The Royal Australian Chemical Institute named Dr. Kenneth A. Gilles as foreign guest lecturer for the fourth national meeting of the organization at Canherra, New South Wales, in mid-August. Dr. Gilles, vice president for agriculture at North Dakota State University, addressed several meetings in Australia and New Zealand on the blochemistry of cereals.

A Subway Sign Read:

"Don't be like me. I were a school dropout." Some wag had scribbled underneath:

"Not me. I goed on to college."

Increased sales and earnings xperi-enced by the Gioia Macaroni C , Inc., Buffalo, have spurred purch se of \$400,000 of new equipment and plant expansion plans, it was announ ed by Anthony H. Giola, president.

Mr. Giola said the company installed the second of two new spaghetti-making machines, boosting production capacity one-third more than was possible with three older machines.

He said the next area of priority will be to buy new packaging equipment to produce short-cuts, including shells, alphabets, rings, etc. Mr. Giola said the company was con-

sidering expansion of plant facilities. "Our earnings for the year ended March 31 were 14% higher than the previous fiscal year, and total sales were up 11%" he said. Mr. Gioia, as new president of the company, succee ed his father, Horace A. Giola, who is now vice-president and chairman of the board. The younger Mr. Gloia said he hopes to bring the company's macaroni and egg noodle varieties into new markets, but first plans to expand sales in areas where Giola products already are sold.

The company was founded by Horace Giola in 1910 in Fredonia, N.Y. He moved it to Rochester in 1919 and to Buffalo in 1949.

Hunt Tests Dinners

Hunt Wesson Foods, Inc. uses a composite fibre can-made by the Owens-Illinois Forest Products Division - to pack chips for its new Skillet Mexicana linners. The lightweight fibre can with an easy-open top helps insure fre hness and maximum shelf life for the lavored chips. In addition to Skillet Mexicana, Hunt's is introducing killet Stroganoff and Skillet Lasagn prepackaged dinners in selected tes markets.

Food Tips · To fit long spaghetti stranc : into a medium-size pan: place ends (spaghetti into boiling water. As sp shetti softens, gradually coil it around t e pan until it is completely under wate ...

• To keep food from stickin: and from foaming, measure and add one teaspoon bland cooking oil to boiling water.

· Shorten cooking time slightly i macaroni, noodles or spaghetti are to be used in a recipe that will need further cooking or baking.

· To keep macaroni, noodles or spaghetti from being over-cooked: when tender, drain at once. Use a colande or strainer if available.



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Wherever the sun shines on durum wheat you'll find the Peavey symbol

Peavey is strategically located in the heart of North Dakota's durum wheat fields. Selecting, testing, processing the finest durum wheat products for the macaroni industry.





Durum wheat inspection is made by Peavey grain men whose long expe-rience quickly tells them the quality and quantity of the crop. Wheat samples are sent directly from the field to Peavey where they are i rayed and carefully and source gains is purchased. Wheat samples are sent reacting from the field to peavey to test under actual plant conditions assuing uniform quality and consistent color.



685-1-1 685-1-1



PEAVEY COMPANY Flour Mills



General R. 1970 THE MACARONI JOURNA



Grocers Panel-(Continued from page 25)

提行为

have one thing in common-they are hard-pressed to make a profit.

Anything manufacturers can do to assist the merchandiser move the prod- market's two biggest drawing cards. uct and make a profit will be appreciated. Communications are essential. With 8,000 items the supermarket operator needs merchandising help, direction, and criticism-but most of all, information on how to move the product.

Loblaw Looks to Consumers

While Mr. Guest was talking to macaroni manufacturers, his colleague, Lawrence M. Sugarman, Vice President and General Sales Manager of Loblaw's, told an International Conference of Newspaper Advertising Executives in Minneapolis that the consumer movement is growing into a strong political force which politicians are already harnessing.

He noted that prior to 1966, Loblaw continued to try to win customers with stamps and games after the so-called "rebellion" had taken place. "Sales were lousy-we had a monumental job ahead of us."

As a result of a customers' survey, Loblaw decided to discontinue trading stamps, developed a bright, new physi-cal look, and started to gain momentum as a "credible food chain with a consumer's interest in mind."

The down-to-earth approach brought sales gains of 25 percent in the first year of the new look, which has been maintained even though competition is growing keener.

Mr. Sugarman also said food retailers ought to be prepared to get into the discounting business in the Seventies: must prepare for the big "eating-out trend;" and must learn to live in a computer-oriented world.

Teamwork

John Peter declared that manufacturers and distributors must work together, that the supermarket operator is interested primarily in sales. The manufacturer must assist the supermarket operator in making those sales of his product.

He declared that macaroni has been too long looked upon as an economy food. He suggested that it be glamorized and romanced, with emphasis on the fact that macaroni is top-shelf eating.

The suggestion was made that every week be "Macaroni Week," that e special day might be promoted as Macaroni or Spaghetti Day, just as Friday is Fish Day.

(Concluded at bottop) of next column)

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What Shoppers Think of Supermarkets

1970 Burgoyne Index Study Reveals New Consumer Attitudes.

 "Low grocery prices" and "quality and freshness of meats" are a super-

· Slow checkout service is still the

biggest beef of shoppers. · More than four-fifths of shoppers "most" fresh meats in supermarkets.

· More than nine out of ten buy "most" fresh fruits and vegetables in supermarkets.

These are a few of the facts revealed in a new study of the buying habits and attitudes of supermarket shoppers recently published by Burgoyne Index, Inc., nationally known market research firm. The survey is based on an analysis of 3,476 interviews with shoppers conducted in eight major market areas.

Highlights

Eighty-three per cent of food shoppers in 1969 shopped in more than one supermarket-up from 59% in 1954. The percentage of shoppers who shop in only one store has slipped from 41% in 1954 to 17% in 1969.

The average multiple supermarket shopper shops in almost three different supermarkets-to satisfy her demand for specials, variety, quality. The shoppers did have one favorite supermarket where most of their food was bought. But it was found that many shoppers switch favorite supermarkets - about one half staving with their favorite five years or longer. Intensified competition in some markets tends to accelerate store-switching.

More than four out of five shoppers buy "most" fresh meats in supermarkets. Three out of four buy fresh meats in two or more stores. Less than one out of six shoppers expresses a dislike for self-service fresh meats. (There has been only a small change in these opinions between the years 1958 and 1969.)

Supermarkets do a stronger job selling the shopper fruits and vegetables than fresh meats. Ninety-three per cent of shoppers buy "most" fruits and vegetables in supermarkets.

More than one out of two supermarket shoppers shop drive-in convenience stores. More than half of convenience store shoppers shop weekly or more often.

There was agreement that if the industry can increase the total market. each manufacturer should be able to maintain his share of market.

high. Almost four out of five shoppers say newspaper ads are most helpful in doing weekly shopping. Viewing of TV food store advertising varies by different markets. An average of more than two out of five shoppen view TV food store advertising. One

On Advertising

Readership of food store advertising

by supermarket shoppers continued

store advertising on the radio. When asked if shoppers buy more of a grocery item when it is priced in multiple units (such as 3/79¢, 4/89¢) the Burgoyne people found the answer to be "yes." In fact, three out of five supermarket shoppers prefer multiple-unit pricing as compared with two out of five who would prefer items priced on a single unit basis.

out of seven shoppers listens to food

Stamps

Almost two out of three shoppers say bonus trading stamps have most appeal as a special promotion to induce cusmer shopping.

More than nine out of ten savers have a favorite trading stamp, but a great many shoppers save more than one. And more than one out of three stampsaving respondents say they are more interested now in saving trading stamps than when they first started.

Almost three out of five shoppers think supermarkets giving trading stamps charge higher prices. And three out of four said they preferred a store with lower prices than one givin, trading stamps.

Discount Stores

Seven out of ten supermarket shop-pers patronize discount stores. (this number almost one out of two buy food in discount stores. Almost three ut of five discount store food shopper generally buy both food and other tems when shopping these stores.

Less than one out of five di count store food shoppers buys almost : 1 her food needs in discount store supe markets-about three out of five buy less than one quarter.

Three out of five discount store food shoppers rate quality of fresh meats better or about the same as regular markets.

Mony than two out of three discount store shoppers think discount food store prices "are the same or higher" than other supermarkets.





General Mills Enjoys Excellent Growth

General Mills reveaeld through release of its 1970 Annual Report that established food overations and new ventures were the major contributors to the company's first billion dollar sales year and eighth successive year of record high earnings and earnings per share before extraordinary items.

The report shows that these two husiness segments, which together represent over five-sixths of both sales and cent of the sales gain and an amount Grocery Mfr. magazine carries a reof operating profits greater than the sport on warehouse withdrawal data total corporate increase. collected by Selling Areas-Marketing, total corporate increase.

For the 53 weeks ended May 31, 1970. General Mills' sales were \$1,021,747,000, one of the 68 product categories, show-an increase of 10.8 per cent over the ed an increase in sales of 10.5%. Rice \$922,441,000 restated for fiscal 1968-69. About two-thirds of the sales gain came from internal growth; somewhat less than three per cent of total sales dollars represented price increases posted during the year.

Earnings before income taxes and ad- 7.8% boost. justments for earnings of partially owned subsidiaries grew six per cent, totaling \$84,775,000. Earnings after income taxes and before extraordinary, items were \$40,610,000 (4.0 cents per sales dollar), an advance of 6.5 per cent. Earnings per common and common equivalent share before extraordinary items reached \$1.88, 11 cents or 6.2 per cent over the \$1.77 reported last year.

The report said that after-tax earnings were reduced by \$13,534,000, or 63 urement points throughout the year, no cents per share, as the result of extraor- more than two index points separate dinary items charged against 1969-70 resuts. The most significant charge was paste and sauces parallels the pasta seaa \$13,087,000 write-off of goodwill of the company's English subsidiary, The Smiths Food Group Limited. Other extraordinary items largely offset each other.

Favorable Trends

Commenting on the results, Chairman and Chief Executive Officer James P. McFarland and President James A. Summer said: "Favorable trends existed in most businesses, and this permitted gratifying progress toward the company's long-range goals." They reported that gains in established operations more than offset a decline in earnings by craft, game and toy operations. and that important sources of sales and earnings began to emerge from new ventures, largely in non-food consumer products and services.

Total operating profits (earnings before unallocated corporate expenses and taxes) increased to \$113,700,000, an 11.1 per cent gain over the \$102,300,000

year ago. For the second successive year, General Mills' food businesses accounted for 84.3 per cent of total operating profits and showed excellent growth. Led by a strong performance by cereals and snacks, operating profits generated by food sales reached \$95,-800,000, an 11 per cent gain. With all segments growing, sales of food products rose to \$802,000,000, a gain of \$54,-900.000 over the previous year.

Pasta Product Movement

Inc. for the period Nov. 28, 1969, through February 20, 1970, Pasta, as posted a 7.2% gain. Instant potatoes were up 4.1%.

Packaged pasta dishes gained 11.5% while canned pasta products only moved up 1.7%. Canned soups were up 1.4% while dehydrated soups took a

In the sauce section, Italian food sauces were up 16.4%, while dry gravy seasoning and sauce mix rose 5.6%.

nal Swingers

In a section entitled "Seasonal Swingers" it says about Pasta & Italian Food Sauce: "Nothing could better illustrate the efficacy of tie-ins as the close correlation of pasta and Italian food sauce seasonality. At seven measthe categories. In addition, tomato sonal profile.

That profile shows a sharp rise in January and February; then a sharp decline following Lent in April and May. There is a pick-up in September and October as children go back to school and adults eat heartier meals. Then there is a slight drop at the end of the year. The great peaks and valleys that used to occur with the summer slump have largely been erased with the growing popularity of macaroni salads.

Booklet on Brokers Available

To aid food brokers and manufacturers in negotiating an agreement of sales representation, the National Food Brokers has prepared a new booklet "Developing An Agency Agreement for Broker-Principal Representation."

In announcing publication of the booklet, NFBA President Watson Rog-

restated for the comparable period a ers stated that a clear understaning t brokers and principals of their nutua functions and responsibilities at the time of accepting a new account ; highly important. "NFBA," he sa !, "n quests both parties to thorougily di cuss the subjects covered in the new booklet at the time of negotiations Points agreed upon should be included in the written contract whenever possible."

Categorie

The booklet's recommendations are grouped into the following categories: Basic Information, Sales Service, General Administration, Advertising and Promotion, Duration, and Other Information. Also included is an outline form of agreement between food brokers and their principals.

Agency Agreement

NFBA is distributing "Developing An Agency Agreement for Broker-Principal Representation" to all of its members and to thousands of manufacturers throughout the country. Single copies of the booklet are availably to food and grocery product manufacturers upon request. Write: NFBA, 1916 Street, N.W. Washington, D.C. 20036

Supermarket Math A plump, juicy chicken is

easily bought; Selection of apples requires little thought. But foods which are bottled or packaged or canned Are measured in fractions, not easily scanned. You're likely to feel mathematically inadequat Unless, of course, you are an MIT graduate. Shopping, per se, doesn't make me sick-It's all of that fifth grade arithmeticl -Annie Komou

Unit Pricing

Saffron is an unusual plant a d its stigma are used as a seasoning. When cooked, the raw scarlet turns imost anything into saffron yellow. It s unusual in another way-in supermarkets 1/16 of an ounce costs \$1.59. This is \$25.40 an ounce compared to \$1.60 for silver and the official \$35 for gold. An even higher flyer is hybrid petunia which sell up to \$1,000 an ounce.

National Macaroni Week October 15-24

ADM Milling Co.



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A D M Raises Dividend

quarterly dividend of 25¢ on the com- main task will be to encourage high mon slock, payable Sept. 1 to slock-holders of record Aug. 20. That is same baking program for their college work. as the 50¢ quarterly paid on June 1 A fact that surprises many is that prior to a two-for-one split of the com- starting salaries for graduating seniors mon stock. Previous dividend rate was in such programs is about \$9,200 to 40¢.

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> \$10,000 per year-among the highest of any industry,

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