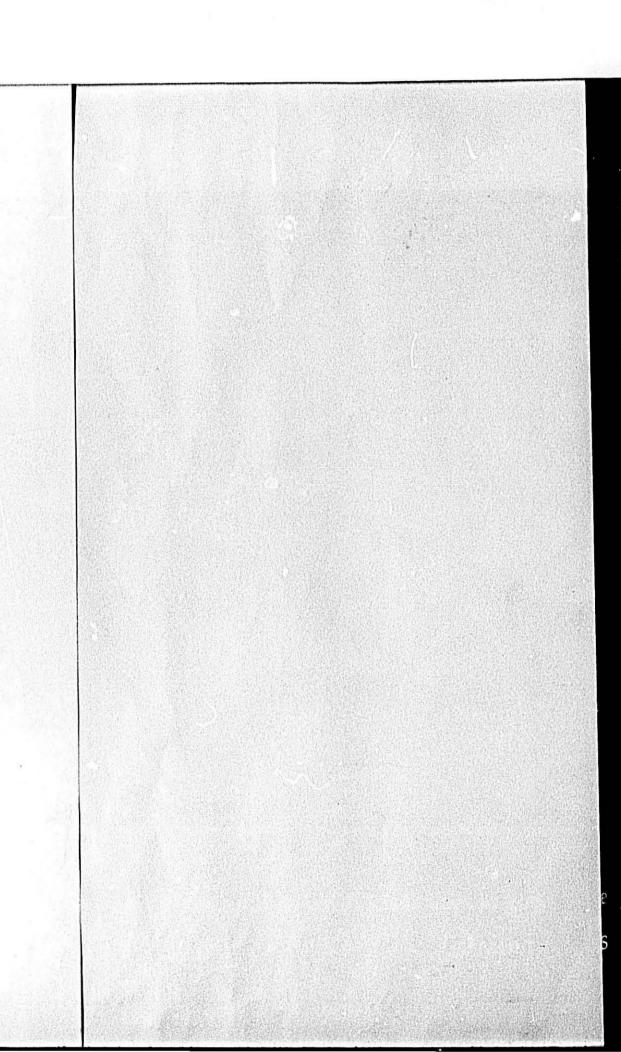
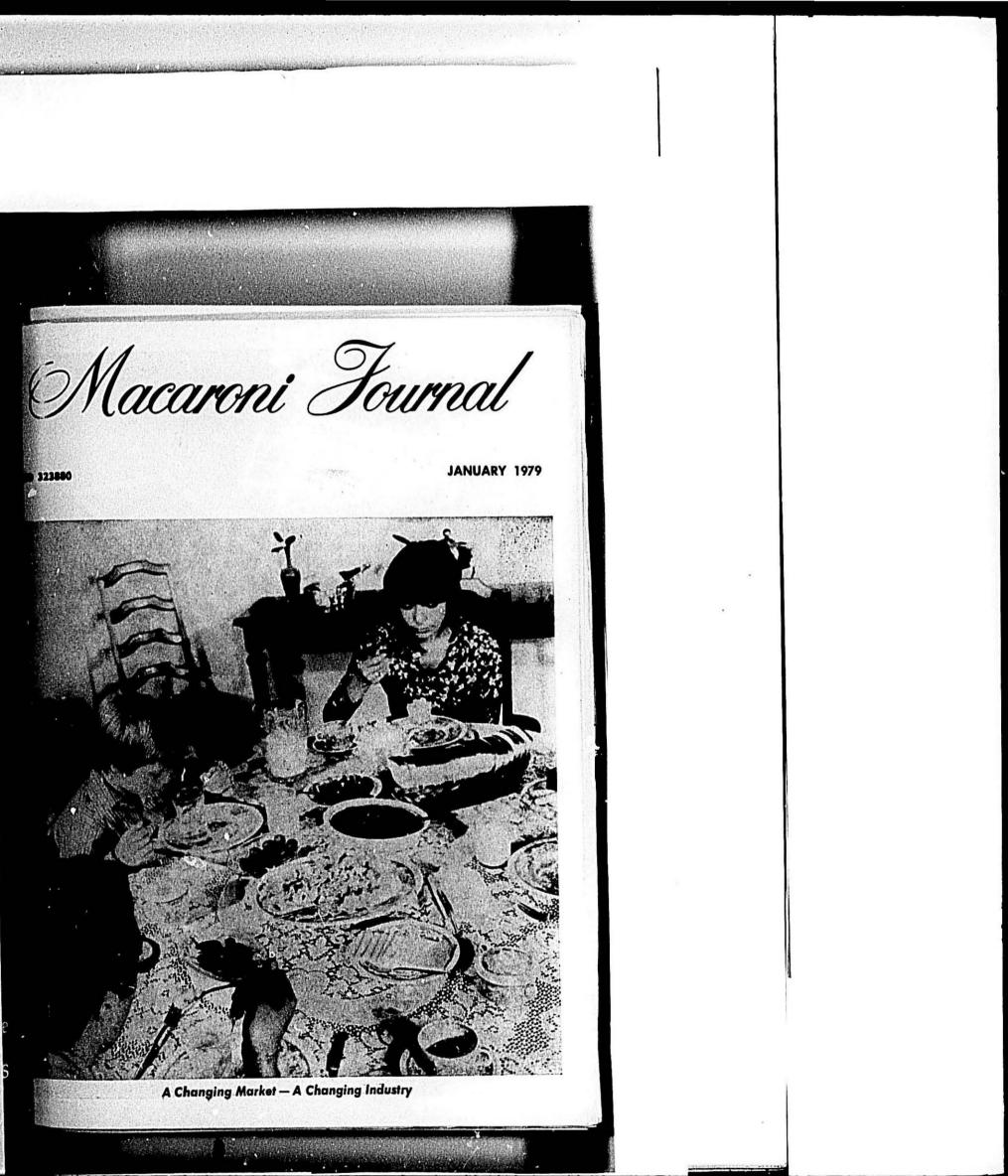
THE MACARONI JOURNAL

Volume 60 No. 9

January, 1979



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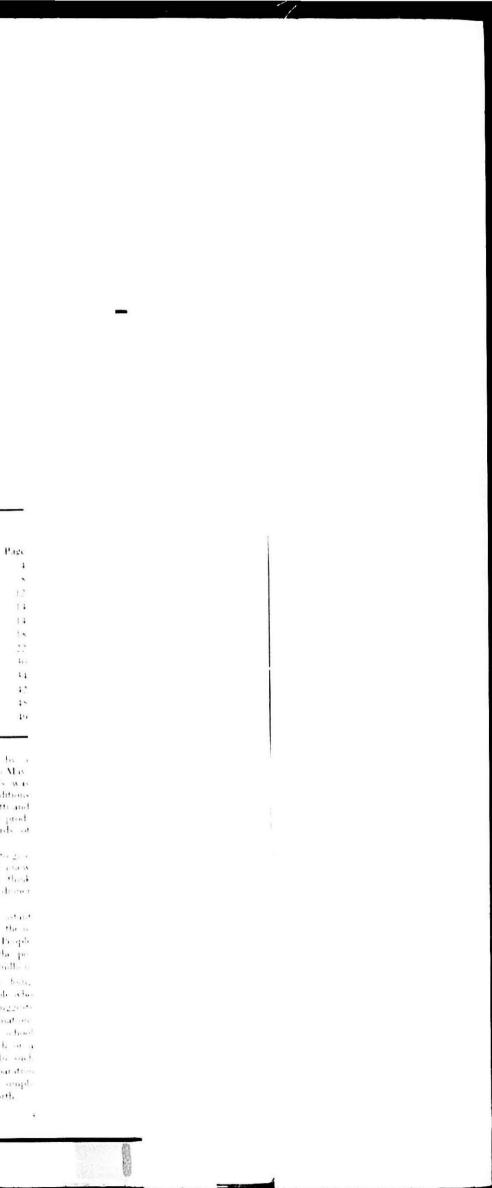
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NATIONAL MACARONI MANUFACTURERS ASSOCIATION

WINTER MEETING

Doral Hotel and Country Club, Miami, Florida

SUNDAY, FEBRUARY 4

	Convention Registration Desk opens Lobby (House Phone area)
2:00 p.m.	Executive Committee Meeting— Aragon
2:00 p.m.	Standards Committee Meeting— Seville
4:00 p.m.	Durum Relations Committee Meet- ing—Vizcaya
4:00 p.m.	Membership Committee Meeting-
7:00 p.m.	Welcoming Reception—Poolside No planned dinner function
MONDAY	FEBRUARY 5
7:30 a.m.	Continental Breakfast— Lobby Lounge Business Session—Monte Carlo
8:30 a.m.	. Greetings from the President Paul A. Vermylen
8:50 a.m	. Standards Committee Report
9:10 a.m	Durum Relations Committee Report
9:30 a.m	Membership Committee Report
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7.00 a.m.	The second	
9:50 a.m.	Counselor Harold T. Halfpenny	
10:20 a.m.	Foodservice Report—Jo David	
1:00 p.m.	Golf Tournament—Shot Gun Start— White Course	
7:00 .p.m.	Suppliers' Social— Hall of Conquerors	
8:00 p.m.	Italian Dinner Party— Ballroom South and Center	

TUESDAY, 7:30 a.m.	FEBRUARY 6 Continental Breakfast— Lobby Lounge Business Session—Monte Carlo
8:30 a.m.	Product Promotion Report— Elinor Ehrman, Burson Marsteller
9:00 a.m.	"Creating a Positive Organizational Climate"— Dr. Jim Tunney, President, the Institute for the Study of Motivation and Achievement
10:00 a.m.	"How to Train and Motivate a Sales Force"— Robert L. Siler, Executive Vice President, Sales Force Companies, Inc.
1:00 p.m. 7:00 p.m.	Tennis Mixer at the Tennis Courts Suppliers' Social—Poolsida No planned dinner function

 8:30 a.m. "Competition Among Carbohydrates" SAMI Report by Julius Perozzi 9:30 a.m. "Hypermarche to the Box Stores" Ronald D. Peterson, Executive Vice President and General Manager- Jewel Food Stores, Chicago 10:30 a.m. "The Need for Creative Selling" Glenn Mealman, Executive Vice President Fleming Foods Company Questions and Answers 12 noon National Macaroni Institute Committee Luncheon— Sandpiper East 7:00 p.m. Suppliers' Social—Lobby Terrace 8:00 p.m. Dinner-Dance— Ballroom Center and South THURSDAY, FEBRUARY 8 9:00 a.m. Board Meeting— Viscaya Adjournment by Noon 		
 Ronald D. Peterson, Executive Vice President and General Manager- Jewel Food Stores, Chicago 10:30 a.m. "The Need for Creative Selling" Glenn Mealman, Executive Vice President Fleming Foods Company Questions and Answers 12 noon National Macaroni Institute Committee Luncheon— Sandpiper East 7:00 p.m. Suppliers' Social—Lobby Terrace 8:00 p.m. Dinner-Dance— Ballroom Center and South THURSDAY, FEBRUARY 8 9:00 a.m. Board Meeting— Viscaya 	8:30 a.m.	Carbohydrates"
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Ballroom Center and South THURSDAY, FEBRUARY 8 9:00 a.m. Board Meeting	7:00 p.m.	Suppliers' Social—Lobby Terrace
9:00 a.m. Board Meeting— Viscaya	8:00 p.m.	
		Board Meeting Viscaya

WEDNESDAY, FEBRUARY 7 7:30 a.m. Continental Breakfast-

Lobby Lounge

Business Session-Monte Carlo

The Place

The National Macaroni N nufac-	
turers Association holds its .Vinter	
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referee to work two consecutive super

He has earned a Doctorate and has

been in education more than a quarter

of a century. He is president of the In-stitute for the Study of Motivation

and Achievement. Recommended as a

speake by macaroni members of Gro-

cery Munufacturers of America, Dr.

Tunne will speak on "Creating a Positi Organizational Climate" at the N MA Winter Meeting and then

will se e as master of ceremonies for

a trad lay session featuring two out-

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Sale Trainer Bob Siler Roi rt Leonard Siler is executive vice resident of Sales Force Com-

panie Inc., Schiller Park, Illinois, large food brokerage organization in America with some 400 people in branch offices from Indianapolis to

Bob Siler is a highly respected ex-ecutive in the food industry, having spent 23 years with Ralston-Purina where he held a number of positions

including national sales manager and

on better management prac-

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point tices.

El Paso.

JANUARY, 1979

vice president and director of admin- Sales Manager, Sales Manager, Diviistrative services.

He has been an instructor of music, a principal of a high school, and taught at the college level. He is a member of the AMA Marketing committee.

He was the recipient of the Central Methodist College Distinguished Almuni Award.

cagoland. He is married and the father of two sons



of Arts Degree from Wheaton College in 1961 and a Masters Degree in Business Administration from the University of Chicago in 1970. Mr. Peterson joined the Jewel Food

Stores in 1961 and was promoted to Produce Department Manager in 1962. His job progression included as-signments as Sales Promotion Special-



sas City, Kansas area. He then graduated from Emporia State Univer-sity and attended Harvard Business School. He has held various jobs within the Fleming Company. He is cur-rently Executive Vice President-Marketing, and a Corporate Vice Presi-dent of Fleming Companies, Inc. In this capacity, Glenn is the senior operating officer at the Topeka Staff Office and has responsibility for all mar-keting activities of Fleming Foods. This includes planning and marketing research functions, as well as mer-

ices.

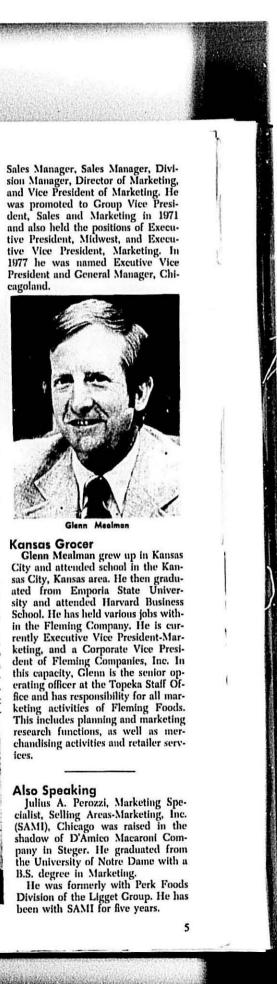
Also Speaking Julius A. Perozzi, Marketing Spe-cialist, Selling Areas-Marketing, Inc. (SAMI), Chicago was raised in the shadow of D'Amico Macaroni Comshadow of D'Amico Macaroni Com-pany in Steger. He graduated from the University of Notre Dame with a B.S. degree in Marketing. He was formerly with Perk Foods Division of the Ligget Group. He has been with SAMI for five years.

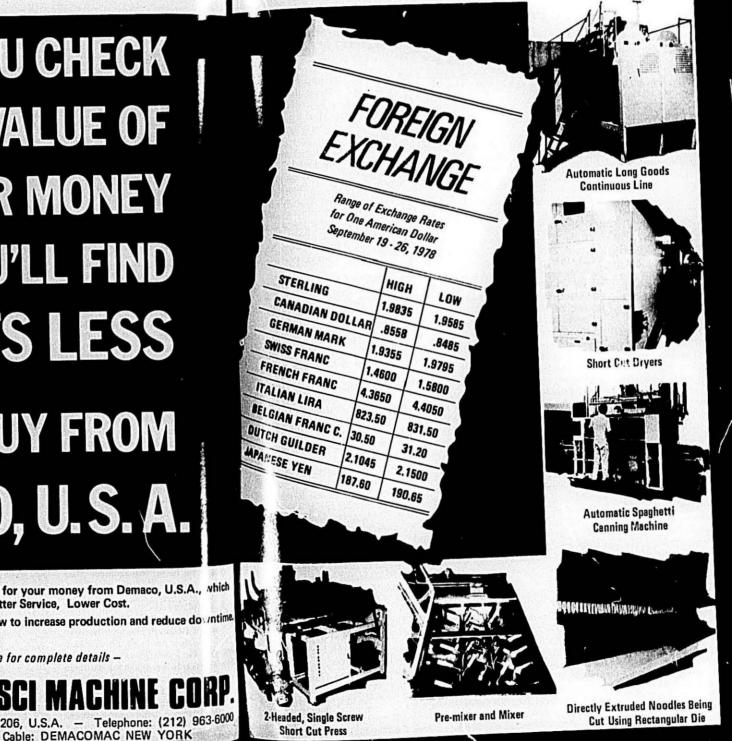




Glenn Mealman grew up in Kansas City and attended school in the Kan-

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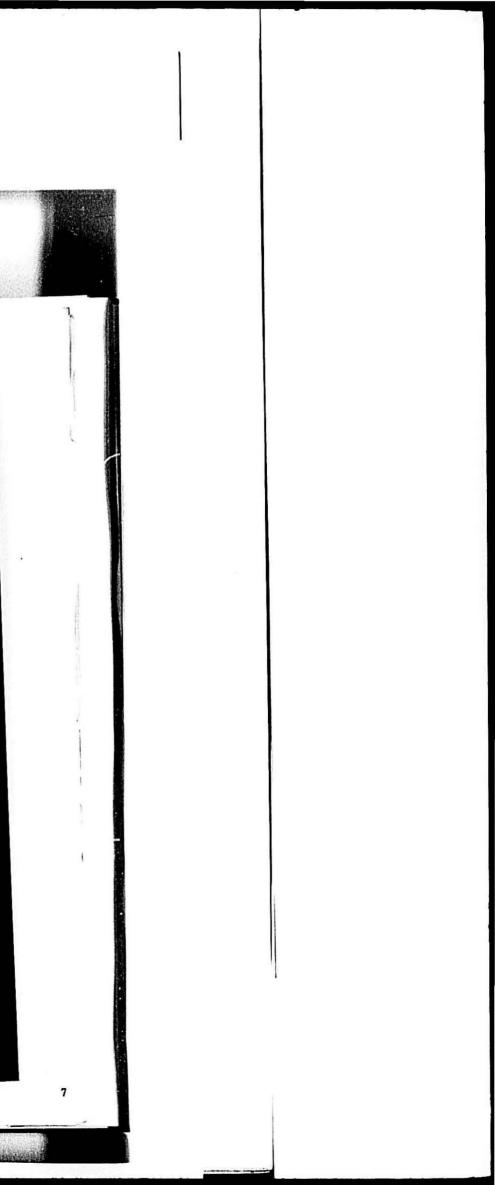
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JANUARY, 1979



Easting Habits Force Marketing Changes

by Leo J. Shapiro and Dwight Bohmbach in Advertising Age

Tt seems hard to believe today, but as recently as 1940, the average American family ate at least two meals a day as a group, around the same table. Mother spent four to six hours a day getting ready to feed

Until World War II, we were still essentially a food producing society, one which spent a major part of its effort and time in feeding itself. Just one generation later, that's all been changed. Instead of the traditional three square meals, we have as many as 20 "food contacts" a day-and spend as little as 20 minutes eating together.

Cultural Revolution

What's happening to food in America is a cultural revolution, with profound reverberations in marketing and advertising.

Back when we were a nation of food producers, cooking was largely done at home from "scratch." People ate breakfast. Some workers and school children still came home for lunch. And dinner time was family together time. Mother did the cooking. And advertising was heavily service oriented. A recipe in the ad guaranteed high readership.

The 1950s were years of innovation. An expanding economy encouraged change in the family kitchen. We saw a proliferation of new time-saving food products and appliances. Ad-vertising taught us what they could do for us.

The 1960s saw America transformed from a nation of food producers to one of food buyers. Supermarkets sprang up like dandelions. The family food emphasis was on food shopping. And advertising helped us choose between brands, featuring "point of difference."

The 1970s has been another decade of innovation and change. We've gone through violent economic stress and the abrupt shakeout of some major supermarkets and chains; but the biggest mover and shaker of all has been the revolution in woman's

In 1960, only about four in ten women in the 25-to-54 age group were working; by 1978, six in ten. week, versus 6.6 when the wife is idly becoming a tintype. Nowadays

Since the majority of women in that not working.) Children go to school been historic.

Advertising Shift Food advertising has shifted from traditional support of established brands to heavy emphasis on finished foods and eating places. Food advertising expenditures almost doubled in the decade with the highest increase coming in advertising for away-fromhome eating. The No. 7 food advertiser is now McDonald's. In one generation, we have gone

from a traditional food producing society to a food grazing society-one where we eat wherever we happen to be. We spend about 35¢ of each food dollar away from home. Most of this is spent in restaurants and cafete is (60%) or fast-food places (25%), but the sheer multiplicity of eating places Americans find today is amazing.

Increased family income is one factor. The more income, the more people are apt to eat out. Highest income families spend over one-third of their total food budget on awayfrom-home eating. Lowest income families spend only about one-sixth. Smaller, younger households: Post-

war babies, brought up among convenience foods and fast foods, now head 7,500,000 of the nation's 75,000,-000 households. This group tends to buy with more regard to what it wants than to cost, and buys its food the day it's eaten. It's also a group that doesn't want to spend more than half an hour on the average in preparing a meal.' Not surprisingly, this is the segment of the population most inclined to eat out.

Teen agers: Seven out of ten teens reported having had one or more soft drinks in the prior 24 hours, with roughly one in four of those drinks tion by teen agers which in turn. taken away from home. Only one in six teen agers reported drinking coffee in the prior 24 hours, but half the cups they drank were taken away from at home happens as seldom as thue home

work. Chances are mother also goes the traditional picture of aproued to work. (And where the wife works, Mom feeding her tired and hungry families average 7.4 meals out a crew around the dinner table is rap-

age group had children at home, the or work. Little wonder that we now impact on American eating habits has eat about one in five of our meals away from home. Meal by meal, the old family table "togetherness" has been nibbled away.

The disappearing breakfast: Even back in the "Walton Family" days of the 1930s, there were early signs of impatience with the traditional family breakfast. First came ready-to-eat cereals, pancake and biscuit mixes. Later came refrigerator biscuits, pancakes, waffles and breakfast rolls. And most recently, breakfast bars, breakfast drinks, toaster breakfasts and instant eggs.

Even this didn't keep us together at breakfast. About three out of four families no longer eat breakfast together. Those who do spend only five to 20 minutes in preparation. Adver-tising for fast-food outlets turned to breakfast and even 7-Eleven stores now invite you in for coffee and hot rolls

The lonely lunch: Adults who go out to work are expected to eat lunch away from home. But children are also eating lunch out with increasing frequency. Even preschoolers go off to day school somewhere and eat out.

Government food assistance programs, which feed 2,800,000 children breakfast, and 26,700,000 at school lunch, have helped to accelerate this Older children eat in a surprisinumber of places, including conver ence stores which carry sandwich and other prepared ready-to-c foods.

Convenience stores: As they mul ply and substantial portions of ! population find two or more sto easy to get to, some of the ex volume needed to support these ex stores comes from increased utili pends on use of snacks, heverages a other ready-to-eat foods.

The extended family dinner: Ding r times a week in families today, and is Family mobility: Father goes to apt to be over in 20 minutes. Even

THE MACABONI JOURNAL

3% of the husbands shop for grocries, and 24% cook. That aproned figure may be Dad's. In fact, a 1978 survey of who does

the chores at home in households with orking and nonworking wives found

hat 15% of the meals where the wife vorks are prepared by someone else in the family. As for "sharing" during this period of family togetherness, a 1976 Roper Poll found that 32% of Americans usually watch television during the evening meal.

Even on weekends, with no school or work to take people away from home, Foote, Cone & Belding surveys find the family meal on its way to extinction. In two separate surveys taker, in summer and fall, 1977, it was found that families only got together for half of their meals on weekends.

The most obvious gainers from all this are restaurants and fast-food outlets. During 1978, consumers have spent at the annual rate of \$53 billion in eating out; \$17 billion in fast-food places. Growing at a compound an-nual rate of over 10%, fast foods look to have an eventual 50% to 60% share of the entire purchased meal indus-

Advertising plays an essential role in the burgeoning growth. Both fast-food advertisers and their agencies are aware of the deep-scated need for "togetherness" that remains, though families are eating less and less at

Ten or 20 years ago, the average IcDonald's outlet gave you hamirgers and malts and sent you quickon your way to eat elsewhere. Tov most McDonald's outlets have ting for at least 100 diners. Adverg for fast-food outlets has conrated hundreds of millions of dolon selling the idea of family dinat the local fast-food outlet.

Fast Food Influence

stritionists call fast-food restauran . the single most important influe ce on the American diet today. It's claim hard to deny. During years of their greatest growth, foods featured in fast eateries have had an enormous increase in consumption. Consider these national per capita increases between 1950 and 1976:

· Ice milk grew from 1.2 lbs. per capita nationally in 1950 to 7.4 lbs. in 1976.

· Frozen potatoes (the kind used JANUARY, 1979

capita to 36.8. • Chicken soared from 27.8 lbs. per

capita to 43.3. • Beef went from 64.3 lbs. per

capita to 95.4.

• Hard cheese (pizza-style) went from 8.3 lbs. per capita to 15.9.

• Pickles went from 4.5 lbs per capita to 8.4 lbs.

· Soft drink consumption went from 192 8-oz. servings in 1960 to an astonishing 493 per capita in 1976.

Reverberations

But there are reverberations from America's changing eating habits that go even deeper. The giving, prepara-tion and sharing of food is one of the most basic human relationships.

We are changing human family patterns which may have existed among our individual forefathers for centuries. A nation of many ethnic origins, with an immense residue of ethnic and religious attitudes about food. is being nutritionally homogenized by burger, fry, chip, bucket and bun, in a single generation.

Take the tradition of the mother, for example: While some nutritionists consider fast-food restaurants the greatest influence on American food habits, the 1977 edition of one basic text on human nutrition puts it this way: "No influence upon food habits is greater than that existing within the home. The mother especially sets the pattern for the food habits that will be developed by the children, for she is the one who plans the meals, purchases the food, prenares it and serves it." Also in her role, she serves as a "role model," showing how to nourish

future families. Some of these old food sharing relationshins are still showing up in altered forms. Even the three-martini lunch, celebrated between business men or bureaucrats on a business day, Senate select committee on nutrit is a latter-day version of good oldfashioned "breaking of bread" and sharing of food. And there are others: a widespread concern among Ceremonial cooking: Millions of sumers for several years. Americans are now into gourmet cook-

ing, wine tasting and the accumulation of sophisticated (and expensive) implements for creating elegant meals Consider the rise of the food pro-

cessor, a precision kitchen counter device that does everything a paring

in french fries) grew from 6.6 lbs. per knife can do quicker and more gantly, and may cost as much as \$ In a 1977 national survey, we for 76% of American women were aw of the processor, 6% already ow one and 33% were considering buy one in the coming year. Cookbooks and homemaking n

azines are flourishing. And shops sell the accoutrements and ingredie for fine home cooking are doing v well indeed: In Chicago, the six Cr & Barrel stores, which sell eleg and functional products for prepar and handling food with style, known to nearly half (48%) of households; one in three consum has actually visited one of the sto Ethnic eating: This is proba bigger now than it has ever been

America, with Italian, Chin Kosher-style and Mexican fo served in from one-fourth to the thirds of American homes.

Annual sales of packaged Japan foods in America are now estimate at over \$80,000,000 a year, and go up. And yogurt (once delivered leather saddle bags by camel only the Mid-East) is now caten by Ar icans at the rate of 450,000,000 lb year. Major marketers spend nea \$8,000,000 a year advertising it.

All these adventures with vari ethnic foods help to satisfy the de for really traditional dishes, both home and in restaurants and fast-fo outlets. They also provide a very se profit base for members of the f ndustry, since most ethnic food cialities consist of highly process low-cost ingredients, delivering 1 profit.

Health Concerns

Eating as a science: "Change eating habits in the last century h resulted in a wave of malnutrit among Americans that has created critical a public health concern as now before us," according to and human needs. What the Ser discovered in 1977 had already h

Five years ago, the Gallup found 46% of Americans saying they were overweight; 40% either dieting or exercising or both get their weight down. But consum concern goes beyond weight. farther we get from the original f (Continued on page 11)

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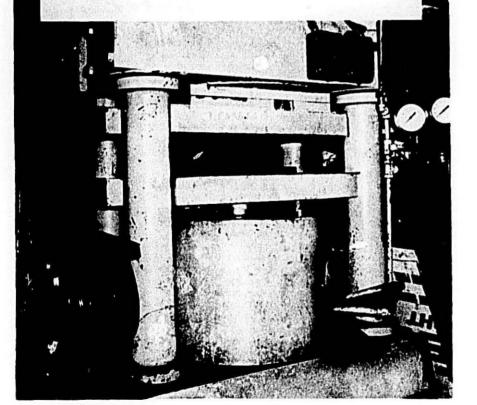
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in our daily diet, the less we can con- out to pick up a selection of the same trol what we eat. The consumers are trying.

In our exploratory survey of the ole that consumer concern with ealth plays in eating, we found over alf of the 400 men and women interiewed saving that they are avoiding ome foods that they like because they consider them "bad for health." They're avoiding (in order of mention) candy, sweets (generally), cakes, potato chips, meats, ice cream, pastries and sweetened cereals.

About half the people who are avoiding certain foods tell us they "didn't always feel this way." What changed their feelings toward food? The answers we hear most often (in order of frequency) are "gained weight," "illness," "became aware of nutrition" and "doctor recommended."

Not only are people cutting foods out of their diet for health reasons; they are also putting some in-even foods they don't ordinarily like. Twenty per cent report eating some foods they don't really like, simply because they believe the foods are good for them. The foods mentioned most often in this category are fresh vegetables generally, carrots specifically, with liver, yogurt and broccoli also mentioned.

sked, "Is there anything you do ab ut foods to help maintain health?" 29 of American adults said, "Yes." hat are they doing about it? "B iling instead of frying foods";

"w | rounded diet"; "eat no fried foc s"; "fresh vegetables"; "cook me thoroughly."

Microwave Ovens

crowave ovens hay have hit a with public concern about wl er or not they emit harmful Tat tion. But the microwave oven is ea whose time has come at ex-311 the right time. With 60% of on working, the device is perfect potential. arried cooks with little time to 11 linner

th sales of carryout foods falling somewhat, the microwave oven movides a natural tool to revive purchases of oven-ready foods from both restaurants and supermarkets.

One innovative, new fast-food outlet, Caf Casino, is a chain of elegant French cafeterias where you can buy a complete French meal, including wine, and dine; then stop on the way a commodity. Seeing the diversity of

oven-ready foods, frozen and ready for your microwave oven at home. Microwave ovens are now in over 9% of American kitchens, according to our 1978 national survey. Twentysix per cent of all women now con-

sider getting one in the next five years. Advertising and innovative marketing of packaged foods for microwave finishing at home can find an immense market in deluxe microwave foods. Pillsbury is testing such items at

gourmet type prices in Florida, and Green Giant has announced a joint effort with Amana to develop and market microwave-ready foods.

Changing Roles

While consumers are changing their choices and sources of food, great changes have also been taking place within the food industry. Companies that got their start as processors of ingredient foods have increasingly diversified product lines, and are now moving out of foods into other lines that offer more profit with less problems.

Retailers are moving into what used to be the role of brand manufacturers. And producers of food are increasingly taking food directly to consum-

During the past three decades, there has been a continuing trend toward diversification among leading food processing companies in the country. In 1950, 14 of the top 25 food processors occupied five or fewer grocery product areas; today, 22 of the 25 top companies are into from six to 20 different food product areas. By 1975, the top 200 U.S. food processors were marketing over 6,000 different consumer products. The more food is changed from the time it leaves the farm, the more processing costs figure in the price. The less food is in the product, the higher the profit

The major problem with marketing products based largely on natural foods has always been nature itself. Crops, weather, transportation-all are volatile, unpredictable elements in the production and pricing of food and food-based products.

Now, the trend among food processing companies is not only toward diversification within food products, but diversification away from food as

Procter & Gamble and watching it move massively into the marketing of hospital supplies and pharmaceuticals to support earnings' growth efforts, it is hard to recall that buried deep within P&G's many rings of growth there is a basic fats and oils business. General Mills, which started as a

flour miller and marketer almost a hundred years ago, now gets about 40% of its net income from restaurants, crafts, games, toys, fashions, furniture and special retail items.

As processors move away from the sale of branded ingredient foods, retailers move in to fill the consumer need, and advertising budgets shift from national brands to national retail chains.

Generic Foods

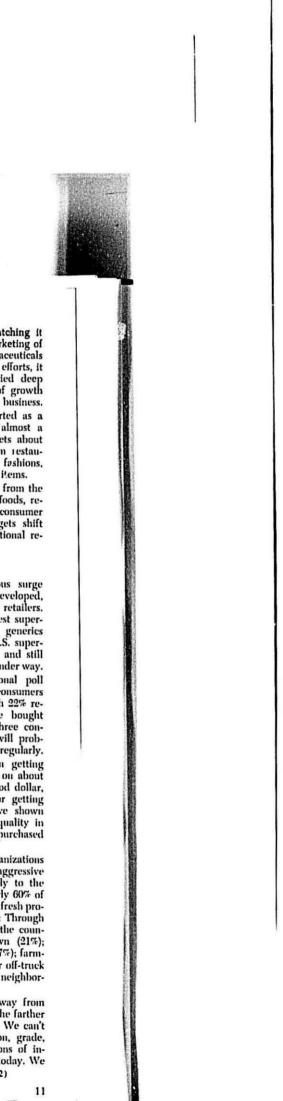
We've seen a tremendous surge toward generic foods, developed, marketed and advertised by retailers. In only a handful of Midwest supermarkets four years ago, generics spread to well over 1,000 U.S. supermarkets by early this year, and still appeared to be just getting under way.

Our August, 1978, national poll found 61% of American consumers aware of generic foods, with 22% reporting they already have bought ome, and almost two in three consumers (64%) saying they will probably buy generic products regularly.

Farmers, who have been getting along for the past 30 years on about 40¢ out of the consumer food dollar. also see an opportunity for getting more. National studies have shown shoppers dissatisfied with quality in fresh fruits and vegetables purchased in food stores.

Farmers and farm organizations have been increasingly aggressive in efforts to market directly to the consumer; during 1977, nearly 60% of American consumers bought fresh produce directly from the farm: Through farm or roadside stands in the country (38%); a stand in town (21%); pick- your-own operations (17%); farmers' or city markets (16%); or off-truck delivery in the consumers' neighborhood (11%).

The farther we move away from traditional eating patterns, the farther we get from the food itself. We can't possibly know the condition, grade, variety or growing conditions of inpredient foods that we eat today. We (Continued on page 12)



now cat more processed and synthetic foods than we eat of the real thing.

Advertising has replaced "pinching the tomatoes" and hand selecting in our choice of foods. A wood-cut illustration of an old-fashioned kitchen on a meat analog package; "grandfather" smacking his lips over a synthetic lemonade; a tight closeup of ingredients going into a hamburger on tvthese symbols now tell us what to expect from food someone else picked, prepared and packaged for us. As symbols replace reality, consumers ask for control on the symbols themselves.

Consumers now look to the government, retailers, food processors and food producers for reassurance that what they're about to eat is safe, and is an honest value. Fifty-eight per cent of all U.S. heads of household now agree that "government regulation is the best way to insure safe products."

The government has responded to what it sees as consumer needs, and will continue to do so in many ways, including detailed regulation of what is printed on the label.

And for every change on the label, there will be many changes in the ad-vertising of the product. The fact that foods labeled "low calorie" may no longer contain more than 40 calories per serving (for example) doesn't just mean a change on the label—it may involve completely repositioning the product and finding a whole new market.

Consumer Reassurance

How far will the consumers' need for reassurance take us toward total control of all food products? Secretary of Agriculture Bob Bergland, and assistant secretary for consumer affairs Carol Foreman, want to take government control all the way to the point where farm programs are "gradually adjusted to relate them more closely to the nation's food and nutrition needs.

Hearings are now being held across the country asking consumers what they want on their food labels. One question asks, "Should raw commodities as well as all processed foods he required by law to carry full nutrition labels?" We may find ourselves labeling leaf lettuce and watercress with full nutritional information.

on food as they shop. Thirty-five per cent read labels on most or all foods. Forty-three per cent say labeling information helps them decide what brand to buy.

Consumers also want food retailers to help them. Although some 29% called the job retailers are doing "very good," they'd like to see them carry a "better quality of merchandise," "offer more organic foods" and "have their own meat inspection to check after government inspection checks."

The Mix Will Change

In the midst of all this change, con-sumers go on eating. And the food industry will go on providing their needs, while looking for the highest possible profit. That won't change. But the mix will certainly continue to change in years ahead.

Advertising of basic ingredient foods for the home will continue its shift away from food processors to the retailer and grower. Advertising of food ready-to-eat will continue to shift to restaurants, fast-food outlets and food processors who package it in individual and small household serv-

The kind of products we'll be promoting will certainly include a growing amount of retailer promoted basic ingredient foods; but will also include highly processed, premium-priced brand name foods for microwave and conventional finishing at home, special diet foods and new products.

A parallel challenge for packaged food manufacturers and their agencies is to market foods that rival restaurant cuisine in flavor, quality, appeal and convenience.

And, as the major food advertisers of today turn increasingly toward the marketing of processed and fabricated food products sold as meals, snacks and ready-to-serve dishes, the chain retailers and food growers will pick up the challenge of advertising staple, ingredient foods and fresh, minimally processed foods.

far as possible toward promising consumers nutrition and quality.

milk is apt to be highly contaminated, we do alot of tie-ins with other manueverything will be suspect. The job

In one survey among Illinois con-sumers, we found 71% read the labels of advertising the food products of the future will be enormous, and of enor-

A Changing Industry:

Pasta Competition Grows

Larry Edwards writes in Advertising Age that the nature of the pasta business is going to change with the agreement of Borden, Inc. to acquire the Creamette Co., Hershey to acquire Skinner, the acquisition of American Beauty Macaroni Co. by Pillsbury, and the C. F. Mueller Co. by Foremost-McKesson. Mueller has since taken over D'Amico Macaroni Co. and is enturing the Midwestorn market.

This move is being supported by a heavy t.v. schedule. Mueller has said it will spend at the national rate of \$11 million in the key Chicago market alone. Coupon-bearing newspaper ads and free-standing Sunday newspaper inserts, cross couponing, and tie-in radio spots will also be used,

Out of Needham, Harper & Steers, New York, Mueller's t.v. commercials feature Eileen Ford (of the modeling agency bearing her name) and talk about the product as part of a balanced diet, as a source of caloric energy and stress that Mucller's spaghetti hus "fewer calories than steak . ounce for ounce."

Mueller's has gone so far as to say it will spread 73 percent of all adverticing dollars in the pasta category in 1978 and 1979. Other marketers may not agree with that claim, but behind it lies the fact that the category gets relatively little consumer advertising. Traditionally, spending is up fronttrade support, promotion.

Ticket Margin Business

Joseph A. Urda, vice president for marketing for Mueller's says, "It's a tight margin business, and it's difficult to justify such expen litures. But we've devoted our energies toward a consumer franchise, more so than most." rocessed foods. John Westerberg, vice president-The appeals and promises of future marketing and sales at Creamette, food advertising will certainly go as notes that his company has "spent a good chunk of dough" in t.v. and national magazines, via Martin-In a world where even mother's Williams. "Because of our distribution, (Continued on page 14)

THE MACARONI JOURNAL



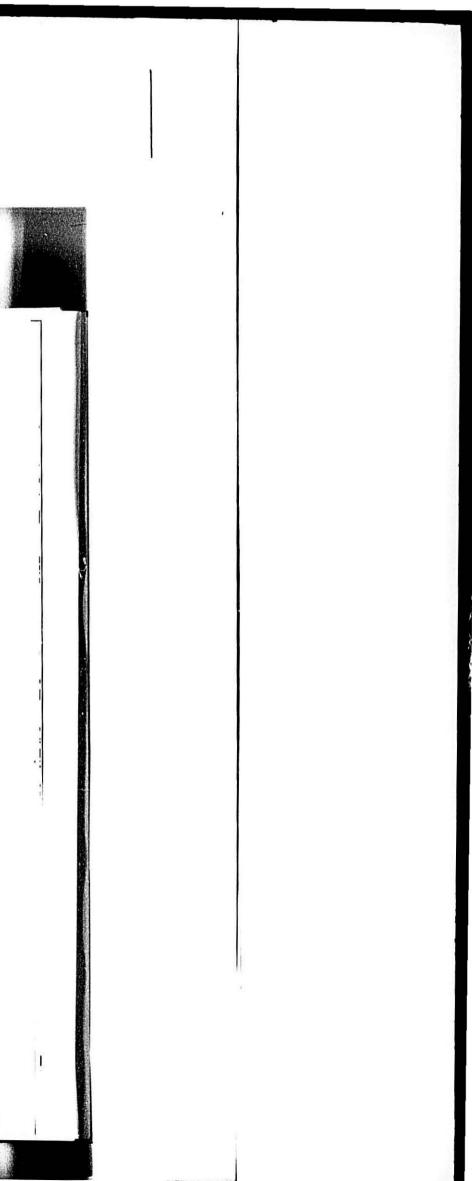


It's as easy as pulling a rabbit out of a hat when you start with quality durum products from the North Dakota Mill. We're located in the heart of the famous durum country. Our modern milling facilities produce Durakota No. 1 Semolina, Perfecto Durum Granular and Excello Fancy Durum Patent Flour. Our specialists will help you select the durum product you need for the finest pasta products. It's the magic touch you need for success.

the durum people



Grand Forks, North Dakota 58201 Phone (701) 772-4841



Competition Grows

(Continued from page 12) facturers," he said: the tactic has been successful for them. Mr. Westerberg looks forward to the possibilities as member of the Borden products family.

He agreed that the industry will see increased advertising. "It's (the acquisition) going to be good for advertising, "Mr. Westerberg said, because all "will be spending more."

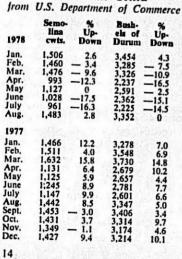
Pillsbury is reported to be preparing a new ad effort for American Beauty. The company initially assigned the account to Leo Burnett USA, but has since shifted its business to W. B. Doner and Co., Southfield, Michigan. Doner, which handles other Pillsbury brands, is noted for its strength in retail advertising (it has a retail division handling many supermarket chains). That agency reassignment could mean Pillsbury is eyeing a mix between the pasta category's historical "push" and consumer advertising "pull."

Oriental Noodle Market Heats Up

From Advertising Age Oriental-style noodles have opened up a new national market for instant noodle and soup-based products that supermarkets are beginning to look at as a way to recover some of the business they've been losing to the fast-food chains.

In less than six years the category

Durum Mill Grind



Macaroni Dollar Volume Up in 1977 THE 314 ANNUAL CONSUMER EXPENDITURES STUDY OF GROCERY PRODUCTS From the September, 1978 inne of Supermarketing Magazin wing Statistics Are Given for Macaroni Products: (Dollars in

1977	Value of Total Domestic Consumption	Amount Speat in Grocery Stores	% of Total Store	% Grocery to Total Consumption	Total Chang: From Lass Year
Spaghetti Macaroni Noodles	\$345,550 274,090 202,290	\$272,680 190,290 144,630	.18 .13 .10	79 69 71	8.1 7.1 4.9
TOTAL	\$821,930	\$607,600	.41	74	7.0
1976 Spaghetti Macaroni Noodles	\$331,620 265,850 198,710	\$261,690 184,570 142,070	.19 .14 .10		
TOTAL	\$796,180	\$588,330	.43	74	6.5
Spaghetti Macaroni Noodles	\$308,770 249,620 199,430	\$242,080 172,330 135,430	.19 .13 .11	78 69 68	8.4 7.2 5.3
TOTAL	\$747,820	\$549,840	.43	74	5.8
Spaghetti Macaroni Noodles	\$284,840 232,850 189,390	\$223,320 161,210 128,860	.19 .14 .11	78 69 68	11.2 8.6 8.7
TOTAL	\$526,480	\$382,120	.41	73	8.5
Spaghetti Macaroni Noodles	\$256,150 214,410 174,230	\$197,630 147,900 117,900	.19 .14 .11	77 69 68	18.4 24.2 26.7
TOTAL	\$707,080	\$513,390	.44	73	9.7
RICE 1976	\$332,010	\$276,090	.19	83	-6.1
RICE 1975	\$352,450	\$293,090	.21	83	-5.7
RICE	\$373,750	\$312,130	.24	84	-1.4

has gone from zero to an estimated \$200,000,000 plus in sales.

What started as a simple instant noodle dish with mild spice flavoring has grown and branched out so rapidly that marketers are no longer quite sure how to identify the competition. Is it limited to other add-hot-water-1978 Jan. Feb. and-eat-items? Or is it everything in the soup aisle? Mar. Recent moves by major food makers Apr. May June indicate the arena won't be limited to quick-cooking noodles but will in-July clude any single-serving soup or pasta-based convenience dish that can Aug. Sept. be heated and ready-to-eat in three to 1977

five minutes General Mills is out with a Mug-o-Lunch line of noodles and spaghetti Mar. April May under its Betty Crocker label, and June July Aug. Sept. Oct. Nov. Dec. Nestle is testing a quick-lunch item. Campbell has to be counted with its single-strength (no water required) soups in 6-oz. cans. Lipton has a Lite (Continued on page 15)

National Macaroni

Manufacturers Association Sales Index Study from Ernst & Ernst (1972-

Govt.	Indust. Instit.	Grocer: Trade	All
65.0	126.3	137.5	13.6
-55.5	133.6	139.9	\$6.4
62.9	124.6	136.2	12.0
63.7	108.5	113.5	:1.4
63.2	104.4	112.2	19.4
66.6	90.9	121.9	18
60.5	89.4	111.4	5.1
117.9	146.0	122.5	.4
103.4	121.3	129.1	0
58.4	107.5	141.9	,
65.4	137.0	145.7	,
48.0	135.6	. 129.4	1 1
83.5	115.9	111.7	11 .
63.1	104.4	103.2	10. 1
47.4	92.3	119.7	113.1
49.0	90.3	96.7	94.1
74.6	134.0	117.6	119.2
46.8	126.4	136.1	131.9
73.4	137.3	128.4	128.3
66.2	145.4	116.7	120.1
69.7	122.1	113.3	113.5

THE MACARONI JOURNAL

Orien al Noodle Market Continued from page 14) lunch ntry, and sources in the field

believe Kraft and others are at work on sim or items.

The Oriental originators of the ratego aren't standing still. Nissin Foods Gardena, CA arti have 8 percent of the market for cups and 'illow' packs, has nearly doubled its ad expenditure to \$9 million this year and has just started its first network tv campaign—for Cup ONoodles via Dentsu, Los Angeles. No. 2 Maruchan has tentative plans to begin tv use for its Instant Lunch line, handled by Daily & Associates. Co-ahead for increased advertising which now include women's magazines and outdoors in major markets, awaits arrival of new management being assigned by Maruchan in Japan. Sanwa's main plant in Los Angeles was seriously damaged by a fire recently, but it expects to have its lines of Ramen Pride, Suddenly Spaghetti, and Spaghetti-to-Go back in full production by the end of the year when its ad budget is expected to be boosted to \$3 million from \$2 million this year.

The company now uses newspapers and magazines and is examining other media, but has no plans for heavy ty use. L. Norman Howe & Associates has been Sanwa's agency.

Added to the spiced up activities of these competitors is the expected arrival here within the next few months of Japan's Sanyo Sapporo Co., which has an estimated 70 percent of the pillow- ick ramen market in Japan.

permarket Acceptance

Step d-up brand competition is no proble to supermarkets who know to supermarkets who know gest competitor is fast food their I p by the eat-out chains. served

the supermarket industry's Fron point view, anything that can be prepar 1 quickly and painlessly and still ta good is a way to fight back. As a sult, the instant lunch-type product are getting special attention and in ore positioning.

Von' is starting instant foods sec-tions in its West Coast stores, and Lipton Ads A&P is said to be considering chain-wide special instant sections follow- in four-color ads in Family Circle Prime time, da ing a tryout in New York City.

NUARY, 1979

Foods in Southern California in the early 1970's. The Japanese company added. A 15¢ coupon is part of the added. early 1970's. The Japanese company brought out the products in its homeland in the 1950's.

The first Japanese food producer to seriously market a product line in the U.S. made an immediate hit on the West Coast with its Top Ramen instant noodles line and began expanding toward national distribution. By 1975, it had completed that rollout and was introducing Cup O'Noodles nationally.

It later added Oodles of Noodles, handled by Hall & Levine and a subject of increased support planning. Nissin was followed into the field

by Maruchan of Japan and Sanwa (formed by Japanese and Vietnamese refugee business men). Both are also based in the Los Angeles area. Legend Packing and Smack Foods are two other locally based Oriental-backed companies that followed with ramen and other instant noodle entries.

Majors Take Note

Major food companies began to take note early but are just now rolling into the market, which analysts are saying has just had its surface

scratched The Oriental instant noodle people view the larger soup market including Lipton's Cup-A-Soup and Nestle's uptime, as competition in a broad

sense. One explained that there are important differences-primarily that these items have to be taken home or put in a pot to cook while the Oriental-style dishes require only hot water Lunch offers favorites that "practical and a three-minute wait while they make themselves right before yo cook in their own container.

Hy Freedman, Sanwa's marketing director, said the field will continue to grow because of a continuing trend toward convenience foods and also a quick favorite lunchtime dish the increased number of women in the work force. "With our products you can have lunch in a short time, inexpensively (most of the products are in the 79¢ range) and have time to go shopping on your lunch hour."

magazine: Lite - Lunch - noodles television commercials, as well The category began with introduc- cooked in seven different seasoned magazine and newspaper ads, a tion of quick-cooking flavored sauces; "souped up vegetables" using supporting the national introducti ramen" noodle products by Nissin Lipton's dehydrated soups; and Cup- of Mug-O-Lunch.

Maruchan Advertising Drive

Maruchan, Inc. is launching a maj consumer ad effort in the fall an winter period, to include nation magazines, outdoor advertising in ke markets and national television I. commercials.

Maruchan products to be feature include Instant Lunch, Ramo Supreme, and a new product-Sou Noodles.

These products are not "noodles" defined by the Food & Drug A standards of identity but are "Orient noodles" and should be labeled s

The new product, Soup N' Noodle is described by Maruchan as more a soup than the noodle-packed Insta Lunch, containing more broth an smaller noodles—"the perfect com panion for a sandwich." It does no contain the 5.5% egg solids require for egg noodles in the Standards Identity.

Mug-O-Lunch

General Mills is nationally introdu ing Betty Crocker Mug-O-Lunch "Hearty hot dishes you make in mug." The new product is aimed at solvir

the "lunch crunch" caused by today busy life styles, where family member often just can't take the time to down and eat a full meal. Mugeves.

An introductory full-page, full-col ad in December 15 Family Circ shows how Mug-O-Lunch can mal three easy steps. The ad will be a companied by a 7¢ "pop-up coupe All three varieties of Mug-O-Lun

-Spaghetti, Macaroni & Cheese, an Beef Flavored Noodles & Gravyare made in a mug in just five minut by adding boiling water to the m One package makes two individu 7-oz. servings. The product will found in the instant soup section

Prime time, daytime and frin

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15		A THE NUMBER OF

This Is Soup?

The cover of Consumer Reports magazine for November, 1978, pictures a woman drinking a cup of soup with the caption "This is Chicken Soup?" In the publication is an article entitled "Dried Soup Mixes (This is Soup?)" It starts out: "Consider home-made chicken soup. It contains chicken, vegetables, and rice or noodles. As the soup cooks, flavors and nutrients from those ingredients are released into the broth. The soup tastes good. And while it won't cure a cold or anything else, it is an ideal fluid replacement when you are sick."

"Now consider the dehydrated soups tested for this report. Judging by their labels, the soups' vitamin content is practically nil. A principal seasoning is salt which most Americans need less of, not more of. The soup's flavor, which wasn't especially good, was usually helped along with generous doses of monosodium glutamate (MSG), a chemical compound that contains sodium and causes unpleasant symptoms in some people. And there is evidence that some dry soups are manufactured with less than tender, loving care."

he article goes on to disparage the extensive use of additives and to complain about flies in the soup-insect fragments were found in most of the instant soups.

The conclusion: "Dried soup mixes don't have much to recommend them. Even the best of the tested soups didn't taste like homemade soup. Most were high in sodium and MSG, and many of them contained mold and filth. True, most of the tested soups were low in calories. But most were also low in nutrition. Only their protein content is of any significance."

Recommendations: "As an alternative to the dried soups, you might heat up a canned soup . . . canned basil. Heat to boiling. Add spinach soups in general should contain more and limas, and heat until vegetables nutrients than dried soups. But, if the can be broken up. Add macaroni, and three soups analyzed are any yardstick, canned soups (per manufac-turers' suggested portion) contain as through. Sprinkle generously with much sodium as the worst of the dried Parmesan cheese. Serves 5 to 6 or soups and only a bit less MSG than makes 834 cups soup. the run of the dried soups."

"If you want nutritious soup that tastes good, try making your own."

"We calculated each soup's cost per serving using the serving size desig- Delicious Delights

soups were usually cheaper. Most cost from 6¢-10¢ per serving; the instants usually cost 14¢-15¢. Maruchan instants, at 57¢ per serving, and the Nissin instants at 58¢, give you about 21/2 times the soup for about three to four times the price of the other in-

This Is Soup!

stants."

Homemade soups are appropriate fare for a winter dinner but often, because of the preparation time, cooks shy away from such extravaganza. Not so, with this shortcut recipe for minestrone.

It takes only 30 minutes to make and is billed as a meal in a bowl. The macaroni, plus lima beans and a generous sprinkle of Parmesan cheese are the complementary proteins for this dinner. And for an even cheesier flavor, why not add a slice of Cheddar or Jack cheese atop the steaming

Serve while quick bread or muffins, still warm from the oven, to complete this meatless meal.

Lima Minestrone

- 1/2 cup onion, chopped 1 tablespoon butter or margarine 3 cans (13³/₄ ounces each)
 - chicken broth
- 3/4 teaspoon salt
- 1/2 teaspoon Italian herb seasoning 1/4 teaspoon basil, crumbled
- 1 package (10 ounces) frozen
- chopped spinach 1 package (10 ounces) frozen baby lima beans
- 1/4 cup uncooked macaroni
- 1 can (1 pound) tomatoes
- Parmesan cheese

Saute onion lightly in butter. Add broth, salt, Italian herb seasoning and simmer 10 minutes. Add tomatoes.

Growers Association come + licious recipes.

- Dakota Spaghetti Beef Sauce 11/2 lbs. hamburger, browne ghtly 6 large onions, chopped
- 3 or 4 buds garlic, chopped te 1 or 2 tsp. tabasco sauce
- 2 cans tomato paste
- 1 1-lb can tomatoes
- 2 cups tomato sauce
- 1 tsp salt
- 1 tsp oregano
- 1 tsp sweet basil
- 1/2 cup butter

Combine all ingredients, simmer over very low heat 4 hours. Serve over hot, long spaghetti. Serves 8-10.

Icy Dakota Macaroni Salad Dessert

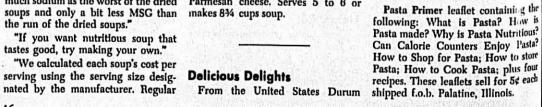
- 4 ounces (uncooked) macaroni rings
- 1 pkg. lemon pudding
- 1 cup whipping cream 2 cups minature marshmellows
- 11/2 cups crushed pineapple, drained Any other fruit desired.

Cook macaroni rings, rinse with cold water, drain, chill. Cook pudding as directed except use the whole egg. Cool. Whip the cream and add to pudding, macaroni rings and fruit. Served chilled. Serves 8-10.

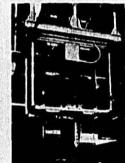
Dakota Wrangler Macaroni Salad

- 8 ounces (uncooked)
- your favorite macaroni
- 1/2 cup diced celery
- 3 hard cooked eggs, chopped 3 Thsp. chopped pimento
- 1/2 cup chopped spiced peache

Cook macaroni as directed. linse salt. Hend thoroughly. Serves 4-6.



Spaghetti Stripping M Factory: Loaded Carrier Walting Zone



Empty Carl

Uni-Carrier, the new automatic carts system, has been developed by Fuji Electric Co. to streamline your spaghetti line, it makes conventional bucket conveyor systems obsolete!

Features:

- Fully automatic, from raw material to packaged spaghetti.
- Completely hygienic. No need for human hands ever to touch the spaghetti.
- Greatly improves weighing accuracy. Straight and bent odd pieces are transported and weighed separately. Can be used with all weighing machines.
- Production line and weighing machines can be set up to maximize use of your plant's space. Does not require straight line as with conventional bucket systems.
- Initial and operational costs lower than conventional systems.
- Extremely easy maintenance. No complicated machinery. «Rall requires no lubrication.
- Provides improved working environment. Much quieter than other systems.

FUJI ELECTRIC

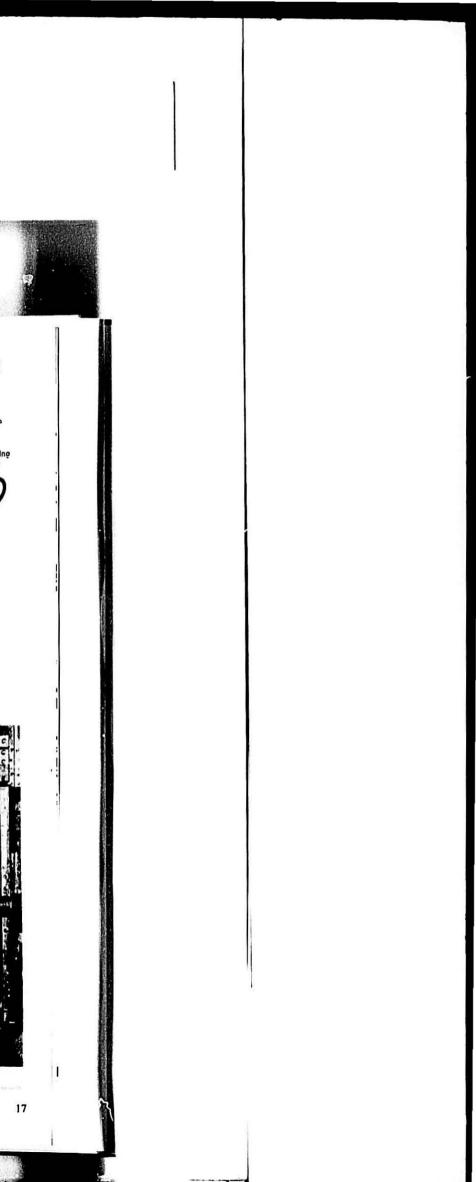
- Exclusive U.S. Distributor: Nissho-Iwai American Corp. General Machinery Dept. Rockefeller Center Rockafeller Center 1211 Avenue of the Americas New York, NY 10036 U.S.A. 212/730-2249 (Mr. K. Kobayashi) Telex: RCA 232641 / 233567, ITT 420405, TWX 710-581-8252
- In Italy: Nissho-Iwal Italia S.P.A. Corso Italia 17, 20122 Milano, Italy Tel: 809401 Tel:ex: 31213



THE MACARONI JOURNAL

1 Tbs. pickle relish 1 Tbsp. sugar 1/2 tsp. salt 4 tsp. vinegar 1/2 cup mayonnaise

with cold water. Drain, chill. lombine celery, eggs, pimento, p cher and pickle relish. Mix sugar salt vinegar and mayonnaise.



Hats, Small Moustaches and Other Pastas

by Craig Claiborne in The New York Times

In all food lore there is, to one food historian's mind, no single subject as all embracing in its vastness and interest than the various forms of pasta. Pasta, of course, takes into account an almost endless array of shapes and names—spaghetti (the most basic and best-known worldwide), macaroni, vermicelli, linguine, lasagne, fettucine and so on, ad infinitum.

What many Americans seem unaware of is that the names of most of these various forms of pasta have absolute meanings—some of them descriptive, some humorous and some pedantic. The very name "spaghetti," for example, is derived from the Italian word spago, which means simply "string."

Literal Meanings

Consider the following, some of which will be better known than others: cappelletti (little hats), conchiglie (conch shells), farfalle (butterflies), fettucine (small ribbons), linguine (small tongues), manicotti (small muff), mostaccioli (small mustache), rigatoni (large grooved) and vermicelli (little worms).

One of the most amusing books on pasta was printed more than 20 years ago, the creation of Giuseppe Prezzolini and titled "Spaghetti Dinner" (Abelard Schuman, New York, 1955).

Mr. Prezzolini does, indeed, take his subject seriously (and adds that the reason Americans have yet to discover the total joys of the entire romantic range of pasta is that they refuse to employ the various names of pasta; instead they pull down, prosaically, a box of macaroni, No. 15, and let it go at that). He declares that the Italians have one type of macaroni named "clover," so called because when the pasta slides from the box into the water, it makes a decided rustling sound, like dried clover falling into the feeding bins for animals.

Although macaroni is considered today to be an excellent, if ordinary dish, commonly enjoyed in the homes of the rich and poor alike, it did not

have an easy time in finding widespread popularity outside Italy.

Mr. Prezzolini writes that "after the Restoration, England was flooded with Italian fashions and customs. Not all the English suddenly went Italian, of course; only the high born who were accustomed to—and could afford—the niceties of life. They were the avant-garde of their day. And they ate macaroni. That is, the well-to-do Londoners did. So did the Royal Family. But not the country folk. The common man regarded macaroni ... with a jaundiced eye. Macaroni was an exotic dish."

That, according to the author, accounts for the folk song about "Yankee Doodle" who "stuck a feather in his cap and called it macaroni." Macaroni, in this case, meant exaggerated elegance.

A Jeffersonian Beginning

It is common knowledge, of course, that Thomas Jefferson is credited with popularizing, if not introducing, macaroni and pasta products to America. Jefferson was. Mr. Prezzolini notes, "the first man to import Lombardy poplars, Roman architecture, Tuscan wine ... into America. He was also the first to import the spaghettimaking machine."

One of the many amusing ancedotes in the concerns the dining habits of Enrico Caruso, the great tenor.

Caruso was from Naples and naturally was addicted to his daily dish of spaghetti. Like many Italian men, he was proud of his reputation as a cook.

"At the Hotel York, Caruso went into the kitchen to supervise personally the preparation of spaghetti for some friends. He made a sauce with tomatoes, basil, parsley, red pepper and olive oil in which the garlic had been fried. He gold dusted the macaroni with Parmesan cheese and decorated it with coins of fried zucchini souash." attitude for a plate of spaghe

He quotes an excerpt fi Canon de Jorio, who wrote Cen tury or so ago: "Macaroni 7 he eaten in separate mouthfuls, eats any other type of food, is the custom of eating at we tables. But the Neopolitan's secialty is the ability to swallow a hole platterful of macaroni in seemingly one, great uninterrupted gulp. In fact, our celebrated macaroni eaters are not those who eat the most, but rather, the greatest quantity at one time, feeding the macaroni into their mouths with both hands so that there is no interruption from the time the macaroni enters the mouth and its arrival in the stomach."

That's not greed. That's enthusiasm.

Buying Pasta

U.S.D.A. Home Economics Research Report No. 42, prepared by the Science and Education Administration, is a guide for calculating amounts to buy and comparing costs in household quantities.

Sixteen ounces (454 grams) of uncooked elbow macaroni will yield 3½ servings or measures per market unit; cooked it will yield 10 cups. The amount-to-buy factor (multiplied by the number of servings or measures of the food needed) is .29. Sixteen ounces (454 grams) of uncooked egg noodles, medium width will yield 12 cups; cooked 173 ½ cups. Narrow width will yiel 10 cups; cooked 24½ ½ cups. Am intto-buy factor is .08.

Sixteen ounces (454 grams) o dry spaghetti cooked will yield 71/4 ups. Amount-to-buy factor .14.

Fifteen ounces of canned spa: etti with tomato sauce and cheese vill yield 134 cups. Amount-to-buy 1 tor 0.6.

Fifteen and one-half ounce of canned spaghetti sauce will yiele 134 cups. Amount-to-buy factor 0.56

The Neapolitan Way

The author acknowledges the wellknown fact that Naples, more than any other place in Italy, is known for its adoration of spaghetti. Neapolitans are, in fact, called "macaroni eaters." But, he adds, no one has better described their voracious —and to my mind understandoble

"In business, the earning of profit is something more than an incident of success. It is an essential condition of success. It is an essential condition of success because the continued absence of profit spells failure." Justice Louis Brandeis

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18

BUHLER-MIA GHORT GOODS LINES...

Performance Youtan Depend On!



Models TRBB and TTSB Capacity: up to 10,(0 lbsh you aff rd to give him less?

licient Energy-Saving Design

High temperature and high humidity drying, requiring a minimum volume of fresh air. The most energy-efficient design! Panels 1%" thick with polyurethane foam core. Aluminum lining on inside for heat reflection and absolute vapor barrier. No heat bridaes.

Smaller, high-efficiency units require less floor space.

Circulating air fan motors are mounted inside dryers, utilizing 100% of electrical energy. (New type of energy-efficient motor is available).

Built-in heat recovery system (optional) utilizes exhaust air heat.

acteria and Sanitation Control

High temperature drying controls bacteria. Dry bulb temperature adjustable from 100°F to 180°F.

bors are in front panel for product control during operation. They also give easy accessibility for weekly cleanouts. Swingout side panels extend entire dryer length, allowing fast cleanout and service.

Dryer is absolutely tight, yet easy to clean, maintain and super-

Quality Product

Each dryer is equipped with a patented, U.S.-built BUHLER-MIAG Delta-T Control System that allows the product to adjust its own drying climate. The result is a stress-free, nice yellow-colored final poduct.

- Produ losses are minimized through the entire production

proce: . Including startups, shutdowns, production interrup-tions : d die changes.

rod ct Quality is What Really Counts!

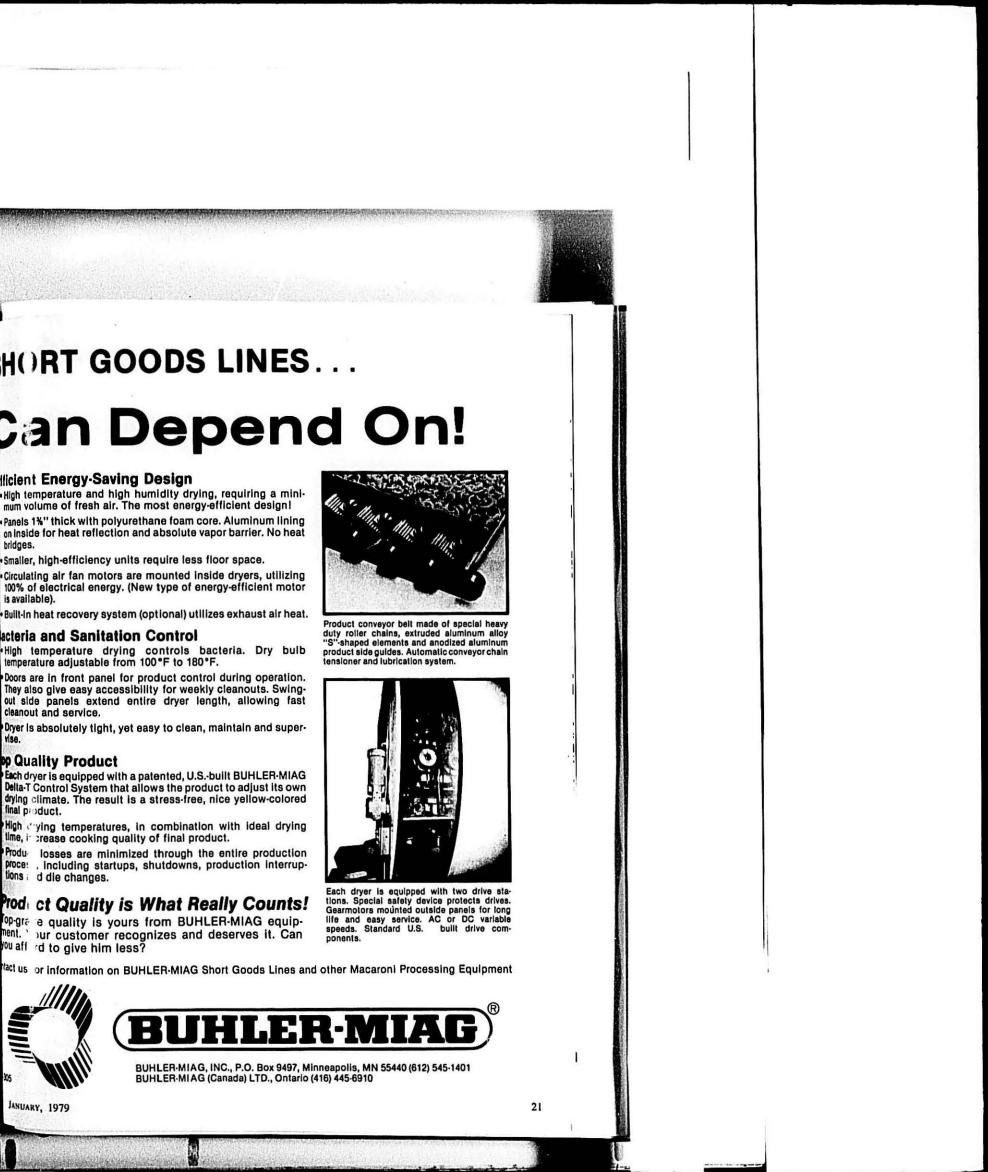
nonents.

MODEL PRE-DRYER FINAL DRYER CAPACITY, LBS/HR 500- 2,000 TRT TTT TRNA TTNA 1,000- 4,000 TRNC TTNC 2,000- 6,000

4,000-10,000

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THE MACARONI JOURNAL

JANUARY, 1979



Nutrition and Health: Today's Front Page Stc y

by J. B. Cordaro, Food Group Manager. Office of Technology Assessment, U.S. Congress

I am pleased to keynote the 1978 Newspaper Food Editors Confer-

shaping our food, agriculture, and nutrition activities.

No less an authority than Time magazine has elevated food to the tinues its present preoccupation with pinnacle of our daily existence. Time's nutritional deficiency diseases, the December 19. 1977 issue states, "The quality of life present and future sexual revolution is passe. We have gone from Pan to pots. The Great American Love Affair is taking place not just you and me but also our in the kitchen.

I guess we should now say-Make lasagna, not lovel And to prefer Child and Beard to Masters and Johnson. You must share my excitement. Our

area of interest and expertise-food -is so universally revered. Thus I do not feel the need to prove Time's point. I assume the burden of this conclusion and move to discuss three items.

First, I have a news item. I will release the results of OTA's assessment "Nutrition Research Alternatives."

Second. I will tell you about the congressional Office of Technology Assessment and its food group activities. OTA exemplifies the evolution of a new decision-making process in our society.

Third, I want you to know that I appreciate and respect the role that food editors play. You communicate information on our food supply, its safety, wholesomeness, and nutritional quality. This helps us to appreciate the effects that diet has on our way and length of life.

OTA's Nutrition Research Alternatives

The principal finding of the OTA report is that the Federal Government has failed to adjust its emhasis of its human nutrition research activities to deal with the changing health problems of the people of the United States.

For the past 50 years, our strategy has tried to ensure an adequate intake of all essential nutrients for

are known in the U.S. However, this I have longed to share my perspec- strategy has been carried out with tive with you on the forces that are little concern for or understanding of the changing nature of foods, eat-ing habits, and life-styles.

If the Federal Government congenerations will be seriously affected children and their children. We may have inherited the earth. But now we must be sure that we do not rob future generations of the same opportunity.

OTA's report provides Congress with information to make decisions about how by

1. Define human nutrition research and better appreciate funding needs.

2. Adjust the goals and priorities of human nutrition research, and

source requirements to do the research.

I believe that our human nutrition research efforts must be reoriented. Research must recognize the changes that have occurred in our food supply and life-styles. It must also anticipate future changes.

We need a comprehensive, wellintegrated human nutrition research strategy to meet both existing and projected diet-related problems. OTA's seven elements suggest one alternative for Congress to consider. These elements are:

- 1. The role of diet in the prevention of chronic disease and obesity.
- 2. The role of nutrition in the treatment of disease and the support of therapy,
- 3. Nutrition education and consumer education.
- 4. Requirements for essential trients,
- 5. Nutritional aspects of food science and food safety.

6. Monitoring nutritional status. and 7. Nutritional policy and manage

ment. In view of public concern over the

food we cat, how we live, and their relationships to sickness and death, it is incredible to learn that there may be as little as \$50 million spent by the Federal Government on human nutrition research.

It is equally appalling to find that this small sum is being applied to out-dated priorities, that the 14 separate agencies spending these funds lack a consensus on the definition of human nutrition research, and that nowhere in the Federal Government are there overall goals and priorities. This lack of overall focus and poor coordination explain how research duplication, turf battles, and questionable utility of research findings occur.

Nutrition along the lines developed in OTA's seven-element strategy is designed to determine if causal relationships can be established among the American diet, way of life, and 3. Determine the personnel re- way of death. Implementation of research results could improve the health status of many Americans and reduce the burden of our skyrock ting health care costs. Obtaining better knowledge and conveying it to the public could reduce or delay the incidence of a number of maio ailments, especially five of the le. ing causes of death which are be' ed to be diet-related: heart disease ancer. stroke, diabetes, and cirrhe of the liver.

We know that death trends c be modified. It is a fact that deaths 'om the number one killer-heart di ase -have dropped from 5.2 perce of the population in 1968 to 4.6 pc ent in 1977. Likewise, there has also een a 22 percent drop in mortality rom strokes and related illnesses.

How much of this is due to improved medical care facilities and how much is due to life-style changes, especially diet modification, is not known. Thus while we cannot ninpoint the degree of importance of diet and exercise, we do know it is an important factor.

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WI e the scientists argue over the differ ices between causative and usoc tive relationships, industry has taken extraordinary steps to better ensur the health of its employees. Indu y believes the surveys that show lealthy people deal better with stress lose less time from the job, and are nore productive. Industry, which bears a heavy part of our \$180 billion health care bill, has moved beyond the traditional perks of physicals and country club memberships for top corporate officers. They are making resources available to reduce disease and delay death. Today it is more common for companies to provide employees with access to nutrition and health care clinics, to maintain weight-watching programs, to provide and encourage the use of exercise facilities, to encourage preventive health care, such as cancer and hypertension screening, and to make available information on the caloric content of their cafeteria foods.

If this has become important for industry in order to be more productive, then, too, it should become important for society to appreciate and enjoy a full, high-quality life.

People are concerned about the food they eat, its costs, and the effects their diets have on their life. They are frustrated by the Government's inability to provide the information they want. I believe that this failure stems from the misdirection of our nutrit on research efforts. The need to charge the focus of our health concerns s reflected in a "piece of new wisd i" by FDA Commissioner Kenn ly. He said:

- The more we learn about what vari-
- ab . affect population health, the
- we are discovering that the
- on we thought were importantnu per of doctors, amount spent
- on redical care-are not very impo int compared with such parame rs as how people live, what
- the eat, and how they take care of the iselves.

Th U.S. appears backward for failing to develop a national nutrition policy. Norway has a national food/ nutrition policy which is grounded in the belief that the dietary pattern of the Norwegian people is closely linked to their country's pattern of health and disease.

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Two documents from the nowdefunct Senate Select Committee on Nutrition and Human Needs-"Guidelines for a National Nutrition Policy' and "Dietary Goals for the United States" suggest the institutional and consumption framework for a U.S. policy.

I believe that OTA's report may serve as the link between these documents. Although we did not address dietary goals per se, the results from our comprehensive research plan could forge the two into an overall national food/nutrition policy. Will there be a U.S. effort similar

to Norway's to link diet goals with food policy? Or are we convinced that education is better than legislation? How will our political process handle trade-offs among the various agribusiness links of our food system? The answer to these questions will affect future generations.

OTA and Its Food Group

The Office of Technology Assessment (OTA) is a new advisory arm of the U.S. Congress. OTA's basic function is to help legislators anticipate and plan for the long-term consequences of technological applications and to examine the many ways, expected and unexpected, in which technology affects people's lives.

OTA's analyses explore the physical, biological, economic, social, and political impacts that can result from application of scientific knowledge. OTA provides Congress with independent and timely information about the potential beneficial and harmful effects of technological applications. OTA presents evenhanded, authoritative, comprehensive policy analyses and options to Congress, leaving decisions to the elected Members.

OTA consists of a unique bipartisan congressional Board, which formulates and promulgates the policies of the U.S. was no longer hunger bu Office, and a Director, who carries out such policies and administers the dayto-day operations. The Board is assisted by an Advisory Council of ten that try to get more food to h private citizens, the Comptroller General of the United States, and the Director of the Congressional Research Service of the Library of Congress.

OTA's program runs on two tracks-one to serve carefully selected near-term needs of congressional com-

mittees, and the other focuses longer-term, holistic issues.

Our near-term program is b upon committee requests. The lon term focus is based upon a mechan developed by Director Peterson establish a priority assessment li

The present priority list of 30 established with a wide range o puts from OTA's Board and advisory and congressional con tees, and the public. This list is jected to continuous appraisal modification to help us allocate resources on the most signif areas.

Our food program addresses domestic and international asy that deal with agriculture pro tion, food marketing, and nutr and consumption.

Role of Newspaper Food Editors

Is present interest in food/nut and diet/health an idea whose has finally come? Or is this dej that you food editors have hear nauseam over the past few years

In 1968, the Columbia Broadca System prepared an indepth mentary on hunger in the U States. The facts shocked us created an "ewarencis" of h among plenty. That same year Senate Select Committee on I tion and Human Needs was lished to help the U.S. population

did not consume enough food. Today's "awareness" has a diff perspective.

There is no question but the public feels nutrition and health be given a higher place in nat priorities. This is clear after the ction to the Senate Select Com on nutrition and Human Needs "Dietary Goals for the United St This was a visible recognition th major food/nutrition problem consequences of overconsum Today's problem cannot be simply by programs and mecha people. We must not forget hun America, but now we must also with the life-style of affluence an health consequences of overcon tion. This will not be easily more While it affects all societal level of special concern to the middle

(Continued on page 26)

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Nutrition and Health

(Continued from page 23) upper income and well-educated. As the most visible, articulate, and highest taxpayers in our society, they are demanding sophisticated action. Rarely has such a unified call for action been reached on an issue.

Unfortunately, the interest level has not yet been matched by the same level of knowledge. A nutrition knowledge gap pervades. Surveys show that consumers know little about nutrition; industry is still reacting to the shift from their earlier philosophy that nutrition does not sell food products: and consumer organizations and government policymakers are trying to become technically competent.

Few would doubt that nothing will be done over the next two years. Yet the pressure for some action presents a danger for all of us. Our natural tendency is to look for simple answers to these complex matters. As editors you will be tempted to respond in the present knowledge vacuum with the latest" information you can get, perhaps without screening, evaluating, or challenging it to the same degree you would a piece on natural security. Thus the risks for sloppy and inaccurate reporting may increase. The results could be serious and may lead to the reinforcement and the exploitation of consumer ignorance, to misguided Government regulation, and to ineffective industry actions.

I should like to speculate about what I expect to happen over the next two years in the food/nutrition area: the attention and output of the 96th Congress, the agenda of the Carter Administration; and the pressures and reactions of the food industry, consumer organizations, and the public. I see five broad areas as possible agenda items.

- 1. National Food and Nutrition Policy. In November 1977, USDA Assistant Secretary Carol Foreman outlined a six-point policy that would establish nutrition as the focal area. Will USDA try to make this a reality?
- 2. President's Reorganization Project for Food/Nutrition. As a part of his desire to reorganize the Federal Government, President Federal Government's agricul-ture, nutrition, and food policies help decision-makers develop this

that the report to the President will have five of the ten elements related to nutrition. Will those attention. study results be implemented?

3. Presidential Commission on World Hunger. After a year of anticipation, President Carter issued an executive order on September 5 to establish a 20-member hunger commission. Will the people of the U.S. be asked to make more sacrifices to help feed the hungry people around the world?

4. Dietary Goals. Will efforts be made to legislate a set of dietary goals such as those proposed by the Senate Select Committee on Nutrition and Human Needs, or will they be applied on a selective basis by program administration?

5. Specific Issues. Labeling, education, safety, feeding programs, nutrition research, etc .- all possess the ability to influence the amount of food available, food cost, and our health. Which item will get attention and be acted upon

Where will the action be? Before I make my prediction, keep these three facts in mind:

- 1. The next two years will be a "political period" as the posturing becomes important for the 1980 elections;
- 2. The membership of the 96th Congress will be markedly different, at least in the number of new faces, from the present Congress: and
- 3. Inflation, Proposition 13, etc. will seriously influence both food and nonfood issues.

I believe that the interrelated issues of food safety, nutrition education, and nutrition research focused on diet and health will get the most congressional attention. Further, I beleve that you will see the emergence of a new decision-making process that affects the way these issues are treated. I especially call to your attention food safety which I believe will be the number one topic over the next two years. There is a riptide moving through society demanding that the Carter approved the study of the U.S. develop a food safety policy. The

and institutions. I understand new approach. To the externation other issues come under the u brella of food safety, they also will btain

The role you play in soc ty a writers and editors has gained n importance and stature. I know that you are convinced that food, m rition, and health stories should not be limited to weekly appearances in the food section of our newspapers. That forum provides a vital service to society. I do not suggest you ignore it; I do urge you to enlarge the perspective of your news managers so that the vital information you deal with gets more up-front coverage. To get this attention you must be aggressive in defining issues and problems.

A year or two from now each of you may reflect on my prophecy. Whether I turn out to be right on my issues list is not that important. For you, you must answer whether you were a spectator or whether you aggressively challenged, reported, and helped to shape any of these events. To those of you who pursue these items, I guarantee your reporting will frequently command the front page and will help influence decision-makers.

The challenge is yours!

Head of Nutrition Consortium

Dr. Kristen W. Mcnutt has been named executive officer of the National Consortium which con rises eight scientific and professional ocieties in the fields of dietetics, fo | science, nutrition and home econe ics. She succeeds Dr. O. Lee Klin who retired.

The consortium announced also that it has moved its offices from Bethesda, Md., to Suite 216, 21 "P" Street N.W., Washington, D.C. 037.

Dr. McNutt earned her B.A. (gree in chemistry at Duke University M.A. in nutrition at Columbia Univ rsity and Ph.D. in biochemistry at Va derbilt University.

Prior to joining the consortiun . she served as FASEB Congressiona Science Fellow with the Senate Agriculture, Nutrition and Forestry Committee for one year and as research associate with the Nutrition Foundation for four years. She also served as a volunteer public health nutritioni with Project HOPE in Brazil.

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Sh and her husband, Dr. David R. McN t, coauthored a college textbook entitled Nutrition and Food Choi The National Nutrition Consortium

is lat ching several new programs in nutri on education, public information a d public affairs, as well as helping is prove coordination of member organizations' activities. The consortium, founded five years ago, is a source of nutrition information for health professionals and the general public, focusing on topics of interest consumers and health-science policymakers.

The consortium has established a new fellowship program for graduate students in fields related to nutrition, health and food science. Students whose departments accredit a onesemester work-study experience with the consortium in Washington are eligible. Applications for the winterspring semester program must be re-ceived by December 10, 1978, and for the summer program by April 10, 1979

Need More Funds

The consortium, funded by grants from its member societies, is launching a campaign for additional funds from individuals in professions related to nutrition and food science, from consumer and civic organizations, foundations, food companies, trade associations, the health delivery system and anyone interested in improving public understanding of nu-

Me bers of the consortium are the Ame: an Dietetic Association, American stitute of Nutrition, American for Clinical Nutrition, Institute Food Technologists, Society strition Education, American Economics Association, Amerademy of Pediatrie's Commit-Nutrition and the National Acad ay of Sciences-National Researc Council's Food and Nutrition

Sencte Label Hearing

Foud manufacturers told the Senate Nutrition Subcommittee they recognize the value of informative prod-uct labeling but cannot support sweeping changes that have not been ven to be understandable and use-

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service to the consumer in two ways." said W. H. Meyer, associate director, food product development for Procter & Gauble Co. "They add to the cost and can be subject to misunderstanding We would like to urge that any label change ultimately initiated on the basis of regulatory or nutrition considerations have good documentation that the change is needed, that it will be understood and that it will accomplish the intended objective.

"Labeling changes can be a dis-

Lack of Consensus

The subcommittee chairman, George McGovern (D., S.D.), said he perceived a desire for better comnunication of nutrition information but a lack of consensus on how best to accomplish it.

"We must be cognizant of and insure the consumers' right to know what is in the food they select as well as their right to choose what they desire to eat," McGovern said. "To achieve these dual objectives, we should approach nutrition labeling as an information function necessitating flexibility, and not as a regulatory action directed at protecting the public from toxic substances and requiring stringent guidelines. In short, we must differentiate the regulatory function from the information function."

Hand-in-Hand

Howard Bauman, vice president, science and technology for Pillsbury Co., Minneapolis, said his company firmly believes diet and nutrition go hand-in-hand and "that there is no such thing as a single good or bad food." He advocated a concerted effort by industry, the academic community and the Government to "develop a nation of smart eaters, rather than having our choice of food limited by Government action."

Bauman called percentage labeling of ingredients impractical and expensive. He had praise for USDA Handbook No. 8, as did other food industry witnesses who use the data from it for initial reading on nutrients in a mixture of ingredients. There was agreement that the handbook is remarkably accurate when compared with the industry's final analytical results. Accordingly, it was suggested to the Senate subcommittee that Handbook No. 8 data be used as the

data base for all nutrition info tion.

Speaking for Ocean Spray berries, James E. Tillotson, vice ident, technical research and d opment, told the subcommittee recently completed FDA-USDA food labeling hearings "have cl demonstrated the degree of con er dissatisfaction with current labeling. Unfortunately, while hearings have articulated well perceived problems with cu methods of food labeling, they not generated any clear solution the problems we face with food

Dr. Irvine Honored

ing

Dr. G. Norman Irvine, direct the Grain Research Laboratory, (dian Grain Commission, Winn was the recipient of this year's liam F. Geddes Award at the cl plenary lunchcon of the Sixth national Cereal and Bread Con in Winnipeg.

Dr. Irvine was cited for his se to the American Association of C Chemists. He was one of the co-chairpersons responsible for program of the Congress.

Other presentations at the lune included awards of the Bailey M by the International Association Cereal Chemistry. The Bailey M was awarded to Professor Jean rice Rene Bure, Ecole National perieurs des Industries Agricole Alimentaires, Massy, France, and L. A. Trisvjatskij, chairman, S Committee for Cereal Products Union Research Institute for C and Cereal Products, Moscow.

The Chemical Facts of Lif

Monsanto Company has annou the publication of the second e of "The Chemical Facts of Lif 16-page booklet that takes a bala look at the benefits and risks of c icals in every day life.

This new edition examines in the controversial issues invo chemicals-their history, use and use, testing procedures, benefits risks. This second edition also re the comments and opinions of vironmentalists, labor unions other groups.

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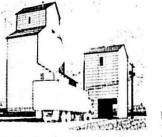
the Pure, Golden Color of Quality

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King Midas Semolina and Durum Flour Quality with a running start on all the others



Sales Officers 22





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Industrial Foods Group

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"High Temperature" Drying of Pasta Products

by Buhler-Miag, Inc.

What is high temperature drying? How does it affect pasta products?

In the macaroni industry, the expression "high temperature drying" is used today for the following condi-

a drying temperature of 140 to 200°F dry bulb (60°C to 90°C) resulting in the following:

a) bacteria control during the drying process

b) change in cooking quality of final product

c) change in color of final product The last two mentioned items can

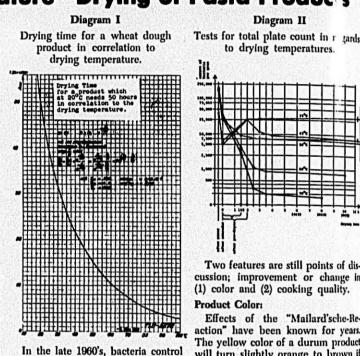
be most important if a lower quality raw material (e.g. soft wheat) is used for the manufacture of pasta products. A drying temperature of 140°F to

200°F (dry bulb) is not considered a high temperature for all different products to be dried (e.g. cereal). However, this temperature range has only recently been used industrially for pasta products. Macaroni was dried in the past, with very few exceptions, at temperatures not over 140°F (60°C). Higher temperatures were not allowed for these reasons: 1) mechanical limits of the existing

drying equipment available (motors, heating coils, seals, panels)

- 2) technological problems in the drying process (sticking—lumps in short goods dryers, dropping of product from sticks in long goods dryers)
- 3) unwillingness of plant management and personnel to tackle problems which can arise with a new drying technology

In the mid-1950's, engineers in the Buhler laboratory conducted drying tests with different products and determined a specific correlation between drying temperature and drying time (see Diagram I). The same tests revealed important facts in regards to checking of final product due to in-ternal stress build up during the drying process. The first "high temperature" drying line was developed as a result of this information, and tested in the plant of a large German pasta manufacturer. However, the incept this new technology.



during the manufacturing process be-came more important and the first short goods-drying lines were built, utilizing elevated temperatures, especially in the predrying stage.

Additional benefits of the new drying technique could now be realized: these benefits are short drying times and smaller, compact drying lines for given capacity, easier supervision and less maintenance.

Machine manufacturers, aided by realized. Products have a ter tency producers, started developing a new drying technology which slowly found acceptance, especially in larger processing plants. New high temperature short and long goods liners is the slightly reduced digestab ty of were built which have now been in the protein of pasta dried a high operation for several years. Regarding temperatures.

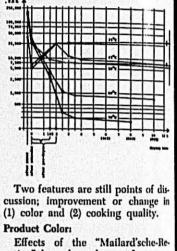


Diagram II

to drying temperatures.

ction" have been known for years. The yellow color of a durum product will turn slightly orange to brown i product is exposed to higher drying temperatures. Such changes, however are only noticeable at temperatures of more than 160°F (-70°C) for "eggproducts" and more than 180 to 190°F (~ 80-88°C) for "water products." However, when mixing different raw

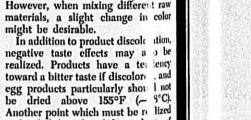


TABLE 1 Lysine Loss Due to Maillard'sche-Reaction During the Drying Process (Cubadda, et al., 1968) Loss in Nutive Drvins De. % of Value troyed

Temp. *C 45 60 70 80 21 22 12 the changes in the final product and Mr. B. Laignelet, Montpellier, dustry in general was not ready to ac- their results, many questions still re- France, pointed out in his speech main and need to be answered. (Continued on page 32)

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PROBLEMS?

With more than half a century of experience in helping macaroni manufacturers, we believe we might be able to help you if you have any problems in our areas of experience.

MERCHANDISING - we believe we have undoubtedly

modernized more packages than any other sources. We constantly continue our updating processes.

PACKAGING

PROMOTION

MARKETING

- we have not only conceived many promotional plans, but we have studied many that others have launched throughout the country. We believe we can help promote your products that you have by study, and recommend additional products that might be promoted in your trading areas.

- rother than depending entirely on advertising dollars, we can show you modern marketing methods which will help capture more of your market. We have done it for others.

- We can point the way towards new profitable products and lay out merchandising methods.

AND

confidentially advise on the buying and selling of macaroni plants in the United States. We have experience in these areas.

Jack E. Rossotti, Vice President Char es C. Rossotti, President George Leroy, Vice President and Marketing Director

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High Temperature Drying (Continued from page 30)

given at a durum seminar in 1976, the problem of high temperature and the resultant destruction of lysine. The following table illustrates the changes:

Since wheat products contain only small amounts of Lysine (most of which are added to pasta meals with additions such as cheese, meat, etc.), we believe that not too much emphasis should be given to this subject. The exception is egg-pasta products where we already indicated a maximum drying temperature of 155°F.

Cooking Quality:

Equipment manufacturers have long realized that there is a slight change in the cooking characteristics, or quality, of pasta products exposed or quality, or pasta products exposed to high drying temperatures. A higher product quality could result from these higher drying temperatures in the final stage. Both long and short goods benefit from these higher temperatures.

The benefit is a firmer, less slimy product, especially if raw material is mixed with soft wheat or if 100% soft wheat is used. If, however, too firm a product is used in meal preparation, tenderness may be difficult to achieve. Pasta products exposed to high temperature drying conditions have a tendency to "rubberiness."

Why this change in cooking be-havior? Dr. R. Cueno/Mailand pointed out during the durum seminar in Detmold in 1974, that this change is a result of the genatinization of the starch in the drying process. (see also the publication of Dr. R. Cueno et.al, Milano, Italy in "Getreide, Mehl und Brot," 28 pg. 132-136, 1974.) Since gelatinization of starch depends very Summary: much on its moisture content, we must assume that the gelatinizing in use for many years. Regarding bac-effect has already occurred in the teria control and smaller sized equippre-drying stage. The initial increase ment, we only realize advantages. in cooking quality should be notice-able at this point. B. Laignelet, Montpellier/France found in tests tively. Only the consumer can tell the made to prove this point, that the manufacture: if the "new" product is cooking quality of high temperature acceptable or not. It is, therefore, pre-dried pasta goods is reduced and an increase in sliminess could be ob-versatile equipment capable of drying served. This is in agreement with tests exactly and most efficiently at all dein our own laboratory. Final drying at sired temperature ranges. This equipelevatec' temperatures will improve the characteristics of the products. ment makes it possible to supply the consumer with the best product. However, temperatures of up to 90°C As a general note, we would like to L Street, N.W., Washington, DC

starch in a product with a maximum moisture content of 20% (see publication of Derby et. al.-GMI-in Cereal Chemistry 52, pg. 703-711C, 1975). Our tests in the laboratory with the miscroscopic technique indicated no gelatinization in high temperature dried pasta products. Measurements of starch gelatinization lead to the following results:

Time of Heat Drying Period After Predrying at Lower Temperature Maltose Figure mg/g dm 62 mg 64 mg 66 mg 64 mg 62 mg the construction of the construct

66 mg

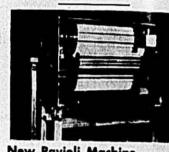
Above average figures are well within error limits of determination, however, they clearly indicate no gelatinization.

The change of the cooking quality can be explained in a strengthening of the gluten framework due to heattime influence. Proof of this theory is verified by the results of cooking tests made with denaturalized dough extruded at too high a temperature on an extruder in which the gluten framework was damaged (see publication of Dr. Holliger, Uzwil/Switzer-land in Diagram 53, page 21-23, 1972). Despite high temperature drying, the final product was slimy. It is of utmost importance to produce a first quality product on the extruder with a compact gluten framework (see also Scanning Electron Microscopic of Cooked Spaghetti by J. E. Dexter, B. L. Dronzek and R. R. Mathenson et al., Cereal Chemistry 55/1 page 23-30, 1978).

High temperature drying has been

(194°F) are too low to gelatinize point out that pasta dried at moderate 20036.

temperatures (up to 165°F) at rela-tively high relative humidity n the final stage will result in an c ellent product regarding taste and corr and guarantee the safety requirements for bacteria control. Completely tight modern dryers are designed purpose.



New Ravioli Machine

A new continuous motion Ravioli machine that can produce up to 2,000 lbs. of Ravioli per hour is now available from De Francisci Machine Corp., Brooklyn, NY.

All necessary ingredients are fed into a 2-shaft mixer to form the dough which is automatically extruded through a 6-orifice concentric die to form a continuous flow of 6 dough tubes.

By means of a continuous flow pump, the tubes are filled with meat. cheese, fruit, etc., and cut into individual Ravioli pillows, each having a crimped fin on all sides.

For Chinese Egg Rolls, the filled tubing is not flattened and the e are no crimped-fin edges.

Optional accessories such Demaco Short-Cut attachme t o special cutting device may be : ed in line with the Ravioli Machine pro-duce most standard small m aroni line with the Ravioli Machine products such as elbows, ziti litali. O's, extruded noodles, lasage and mostaccioli.

For complete details, specif ation and technical information, cont t the manufacturer: De Francisci M chine Corp., 280 Wallabout St., Bre klyn NY 11206. Phone: 212-963-6000

Market Resource

1978 Directory of food processing equipment, machinery and supplies and major manufacturers/supplies; \$5; product cross reference listing. \$10. Food Processing Machinery and Supplies Association, Suite 700, 1828

THE MACARONI JOURNAL

has to use her noodle.

The cook with fissy customers bitting right around the family table. So the smart cook really uses her head...and serves up good-tasting noodle dishes. But the best noodle dishes begin long before they

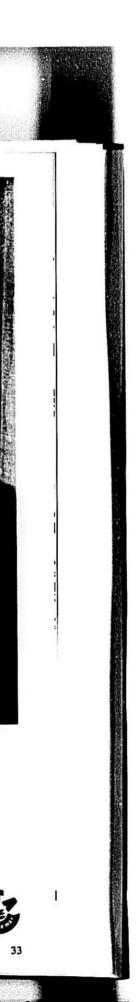
But the best noodle dishes begin long before they reach the table. They begin on the farms of the northern plains, where the nation's best durum wheat is grown. From this durum wheat, Amber Milling mills fine

pasta ingredients...Venezia No. 1 Semolina, Imperia Durum Granular, or Crestal Fancy Durum Patent Flour. At Amber Milling, we're serious about pleasing our customers. We know you're fussy about quality. So we deliver semolina and durum flour that makes it easier for you to please all your "fussy" customers. Specify Amber!

AMBER MILLING DIVISION of THE GRAIN TERMINAL ASSOCIATION Mills at Rush City, Minn. • General Offices at St. Paul, Minn. 55165/Phone (612) 646-9433







At Pack Expo

Of interest to macaroni manufacturers:

Aseeco Corporation, 8857 West Olympic Blvd., Beverly Hills, CA 90211. Full scale operating Aseeco system comprised of an accumaveyor surge storage unit and Modu-Tran II distribution line for simultaneous feeding of multiple packaging machines at different rates on demand from a single product stream without starvation cr the requirement for product r circulation.

Clybourn Machine Company, a division of Paxall, Inc., 7515 N. Linder Avenue, Skokie, IL 60076. CMC Model C Series high speed vertical cartoning and filling machines for cartoning short cut macaroni and specialty pasta products. Carton range: 1" x 34" x 44" to 814" x 314" x 1114". Speed range: 40 to 350 cartons per minute. CMC Standard Continuous Horizontal Cartoners for off with Dyna-Pak is a complete series long cut macaroni products. Carton of high speed automatic case packagsize range: 1" x 11/2" x11/2" to 12" x 6" x 14". Speed range 30 to 300 cartons per minute.

Hayssen Manufacturing Company, P.O. Box 571, Highway 42 North, Sheboygan, WI 53082. Hayssen RT's, rapid transit systems, for speed and flexibility in automatic packaging. A single RT can package hundreds of sizes and shapes. The Compak II and Super Compak are pouch machines with full range of custom feed systems including Digitron Electronic Weight Scales for pouch packaging.

LCM Spaghetti measuring and feeding system has (1) cascading tower tinuous motion. I has speeds to 120 from stripper cutter or bucket elevator per minute; II cartons at 240 per conveyor; (2) cascading tower vibra-tor; (3) metering chamber vibrator; Full range of optional automatic (4) coarse volumetric feed adjustment; product transfers, leaflet feeders, glue (5) fine volumetric feed adjustment; (into two metering chambers); (8) low end cartons with proven rotary carvolume cutoff gate; (9) synchro drive ton feed, expander, and transfer sysadjustment to measuring chamber tem. Special attachments are avail-(optional).

Hi-Speed Checkweigher Co., Inc., 605 West State Street, Ithaca, NY 14850. ST 71 checkweigher with SD 74 control handles cartons and pouches up to 5 pounds; model CM60H-BC checkweigher is a self contained unit that includes infeed timing belts, scale, discharge conveyor and special rail to fold top flap of polybag over. Sweep-off rejector for bags with too few or too many pouches; Model T59 checkweigher is an intermittent motion checkweigher designed for accurate weighing of ouches and tubes up to two pounds weight at speeds up to 75 per

Mira-Pak, Inc., 7000 Ardmore. Houston, TX 77021. Offered are machines for bagging, cartoning, filling dry products, imprinting, label dis-pensing. Featuring the Mira-wrap Model "K" Dual sigmatrol/computer-ized weighing and the Mira-Cartoner bag and box system.

Packaging Machinery Company, 330 Chestnut Street, East Longmeadow, MA 01028. Net weighing includes weighing systems from Eagle Scale Division to eliminate underweights and closely control overweights to pre-set tolerances; casing per minute; MicroScan control checks the weighing system completely 100 times a second; displays both scale performance and production management data (on command) using integral display panel, CRT display, or hard-copy printout. Built-in trouble shooting through its own diagnostic system

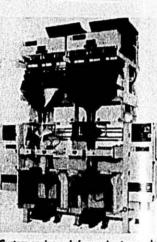
Redington, Inc. 3000 St. Charles Road, Bellwood, IL 60104. Three different Carton-King horizontal car-toners are fully automatic with consystems available; III cartons at 6) product squaring ram in dump speeds to 400 per minute and handles hopper; (7) vibrator to product divider a reverse tuck, straight tuck, glue

> Redington 26K17 high speed spaghetti cartoner has self adjusting article filler buckets handling 1/2, 1, 2 and 3 pounds up to 200 cartons per minut

Triangle Package Machine Company, 6655 West Diversey Avenue, at McCormick Place in Chicago.

Chicago, IL 60635. Advanced solidstate self-monitoring and at isting systems that need no attentio once simple settings are made. Acc racies to 1/1000 oz. Production to 18 bags per minute.

Wright Machinery Company, Inc., P.O. Box 3811, 1600 Mist Lake Drive, Durham, NC 27702. Mon-o-bag f/f/s paces the bakmaker with net weighing system an doscillating hopper; Twinmaster automatically f/f/s 150 bags per minute with auger feed; 140 per minute with volumetric filler; 100 per minute with net weigher. Rotary Net Weigher is for high speed packaging of a variety of macaroni/noodle products in rigid containers. It allows the packager to maximize speed without compromising accuracy. Available with 12 or 18 scales.



Custom-engineered for packaging r eat cereals, this twin tube Pulsam machine was demonstrated by Package Machinery Company at AMI 1978 Pack Expo. It has many unic. tures for smooth interfacing with cc aners as well as for handling cereals an forming, filling and sealing bogs that tuc easily into cartons and are easy to open . the consumer

Triangle Shows Special Systems at Pack Expo

A variety of special packaging systems and support equipment was shown by Triangle Package Ma-chinery Company at PMMI's 1978 Pack Expo, October 30-November 3,

THE MACABONI JOURN

The packaging systems included a be Pulsamatic bag machine twin engineered for ready-to-eat, custon Flexitron scales. It is specifical designed to interface with carton g equipment. Also on display were two single

tube I ilsamatics with auger feeders for flat bottom and fin seal packages, and another custom designed Pulsamatic with Flecitron scales for packaging hard-to-handle products.

Other equipment demonstrated in Triangle's exhibit included a miniature Flexitron net weighing system with six scales, a CBH hydraulic vibratory conveyor, and the company's Datapak microcomputer information system for packaging operations.

The special twin tube Pulsamatic by machine for cereals has a va-nety of unique features that keep product out of seals, make packages easy to tuck into cartons, increase settling time, control air to distribute and settle contents, create consumer onvenience seals, and the like. It also incorporates advanced solid-state circuitry, fully enclosed quick return dual drives, dual controls, sanitary construction and poly sealing jaw systems. Its friction-free solid-state Flexitron scale systems monitor and adjust fine weight, feed, dribble time and checkweigh before discharge. Three- or four-sided fin seal packages are made on one of the Pulsamatics shown, while flat bottom bags are preduced by another machine. The latter unit forms packages so that p duct cannot interfere with

EDP System

gussets, thus allowing the

tand erect for better casing,

f graphics, and store shelfing.

Data ik demonstrated packaging inform on never before available, by ge rating weight trend, scale, cycle : d time analyses, plus daily run an other summaries. This EDP system ucludes the company's mitrocom uter, access keyboard, hard opy p nter, CRT display and pro-grams pecially developed for pack-

The CBH Conveyor shown features nunter-balanced design to keep vitions out of the base so the units, which include systems that distribte product on demand to multiple ckaging stations, can be used ere conventional conveyors would

NUARY, 1979

bottom, bags to

lisplay

be ruled out. Product flow rates can be dial tuned while the CBH is run- al remote CRTs or printers are av ning. They remain constant despite product surge or density changes. With no mechanical inertia to overcome, action is instantly stopped or started. Vibration can be varied on signal or automatically.

Micro-Processor Controlled Weighing

The new Eagle Micro-Scan (tm) Weighing System from Package Machinery Company's Eagle Scale Division, uses a microprocessor based programmable controller to provide greater package fill accuracy, improve scale up-time, and generate management information.

According to Dave Chenoweth, Vice President of the Eagle Scale Division, "The MicroScan weighing system is a tool which gives management far greater packaging line con-trol than ever before possible. It makes process optimization a practical reality, rather than just a nice thing to talk about."

Exceptional Control and Accuracy The MicroScan System is not a modified general purpose programmable controller, but one designed and manufactured by the Eagle Scale Division specifically for Eagle net weighing scales. Exceptionally consistent accuracy is maintained because the MicroScan System scans the scale functions 100 times a second and instantly adjusts them whenever necessary.

Basic control functions include: checkweight/underweight refill, bulk and precision setpoint correction, balance setpoint correction, random dump, management data reporting, and built-in diagnostics.

The MicroScan System is set up by a supervisor in minutes by making simple thumbwheel adjustments. The control box is then locked but the digital read-outs are clearly visible on a display panel. Operators are free to oversee a variety of machine functions via panel-mounted digital readouts, but they are not free to make unauthorized changes to the controls. The MicroScan System controls the scales-not the operator. For easy back-office access to read-

outs or management reports, opti-

More Up-Time

The MicroScan System impro scale-up time in several ways. Fi the System usually detects, corre and/or signals potentially troub some conditions before they materi ize. Second, the programmable c troller has proven itself to be inl ently more reliable than elect mechanical relays. The MicroSo System itself is built to meet str gent specifications. Third, the Mic Scan System simplifies trouble sho ing with a standard, built-in diagn tic package which checks and a lyzes over 40 scale functions.

Finally, an option of the Mic Scan System makes it possible to any scale to a computer at the Ea Scale Diagnostic Center in Oakla California, for comprehensive trou shooting. The modern hook-up is complished via a standard lo distance telephone call. The Cen is manned 12-hours-a-day by speci ists who can give immediate reco mendations for corrective act based on the computers diagno In most cases, this eliminates expense and delay of having to in a factory service representative

Data for Greater Efficiency

The MicroScan controller can g erate management reports to a mote CRT screen and/or hard co printer. This information enal management to fine tune its ope tions to peak efficiency.

Track Data indicates the curr status of the weighing operation, cluding bulk and precision fill ti weight accuracy per scale, avera giveaway net weight, and other d for production and quality control Accounting Data documents equ

ment performance over an exten time, including output, weight co parisons, efficiency and other imp tant longer-term production d Some examples of management of trols made possible by Account Data are as follows:

-Product input control. Act dumps, multiplied by aver dump weight gives actual pou of product through each so head. Totalling all scale he

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ves rst, cets ole- ial- on- er- can rin- can rin- cot- oot- oos-		
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Dre stically reduces the time required in the production cycle.

Higher drying temperatures reduce plate counts to well below industry standards while enlancing product flavor and quality.

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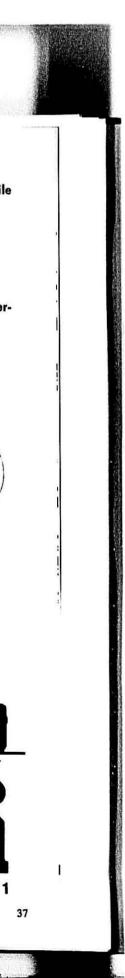
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tomatic Extrusion Press





The Eagle MicroScan system constantly monitors over 40 scale functions and provides technical scale performance informa-tion as well as data for production management control. Here, data is read out on an optional printer.

shows exactly how many pounds of product were sent to the scales for packaging-a vital factor for inventory control of bulk product, as well as analysis of the processing department.

-Scale efficiency. Actual dumps divided by possible dumps gives scale speed operating efficiency —useful for determining opti-mum feed speed, as well as highlighting starved-out-scales.

-Bag machine efficiency. Total actual dumps for all scales divided by bags packed gives the per-centage of good bags produced. This can help identify bag sealproblems.

-Finished product inventory control. Because the actual efficiency of most bagging machines is very high (usually 95% or more), total actual dumps can be a good indicator of what finished product inventory should be. This can identify "shrinkage" of finished product inventory.

-Shift operating efficiency. Total actual dumps over any given measurement period (shift, day, etc.), when compared with average performance levels, can clearly indicate the efficiency of a packing line operation.

-Scale weight control. Average cy of an individual scale, and can identify scales with poor feeds, mechanical problems, or any other factor which can lead to poor weighing.

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The MicroScan System is an exclusive feature of Eagle Scales, which are among the most advanced and accurate net weighing systems avail-able today. Eagle scales eliminate underweights and control overweights to pre-set points. These scales use a 1:1 ratio balance beam. A counterbalance weight is used on the weigh pin exactly equal to the amount of product to be weighed in the scale bucket.

A cascade feeding system delivers an even, continuous flow of product to the weighing heads. Each scale head operates independently of the other.

Hi-Speed at Pack Expo

Hi-Speed's new Computa-Weigh Control Center is a digital, microcomputer based, checkweigher control designed to provide manufacturers and packagers with reliable, on-line weight protection and infor-mation. The Computa-Weigh features easy set-up and operation, reliable under and over weight protection and expandable data gathering and production record keeping capabilities. The Computa-Weigh is easy to set

up and operate. All set-up information dump weight reflects the accura- is entered via a keyboard and confirmed on large, easy to read digital displays. Keyboard entry simplifies set-up and changeover and maintains the environmental integrity of the control.

The Computa-Weigh is compatible with Hi-Speed's DCDT spring and flexure scale or with Hi-Speed's new strain gage load cell Dynamic Scale. The DCDT scale is best for use in limited live range checkweigher applications where optimum accuracy i required. The Dynamic Scale provides linear weight readings from 0 to a nominal capacity for absolute weight information and maximum weighing versatility. Both scales provide reliable weight protection information which can be used to provide a full range of statistical information.

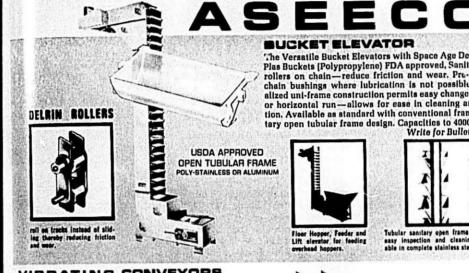
The master computer at the Eagle Diagnostic Center can com-

municate directly with the microprocessor in the Eagle Micr Scan system, while an Eagle analyst talks to plant personnel recommend necessary corrective action.

The Compute-Weigh utilizes a family of functional modules ' pro-vide expandable data gatheria and production record keeping c abil-ities. Statistical information is avail-able on package count, accun lated weight, short-term and lon term average weight and standard eviation statistics, and an exclusive isto-gram feature which prints a ight distribution curve based on t actual total production. Proc. tion record keeping printouts are av. able to provide a comprehensive har. copy record of the production weit t information. This statistical information when used in conjunction with a inplant quality control program, allows the user to control and optimize the production line's fill weight performance.

The Computa-Weigh is a culmination of Hi-Speed's 25 years of checkweighing experience and 5 years microcomputer experience. (Continued on page 40)

THE MACARONI JOURNAL







The Modu-Tran II Vibrating Conveyor feeds product sideways as well as in the normal forward direction. to distribute product to multiple packaging machines or to several use points simultaneously on demand.



Computa-Weight (Continued from page 38)

Computa-Weigh is the standard against which future checkweighers will be judged for years to come. It utilizes the latest state-of-the-art technology. To maintain its technical superiority, the Computa-Weigh's modular design has been conceived to accommodate future technical advances. To be of maximum usefulness, its computational and statistical capabilities are based on proven statistical weight control procedures. This comprehensive anticipatory design demonstrates Hi-Speed's continuing commitment to meet customer's package weigh control needs.

Complete information on the Computa-Weigh is available from Hi-Speed Checkweigher Co., Inc., P.O. Box 314, Ithaca, New York 14850

Solid Progress for General Mills Canada, Ltd.

From the Annual Report for General Mills, Canada, Ltd.

As compared to the previous fiscal year the Grocery Products Division sales are up by 17.0%, the Blue Water Division sales are up by 19.4% and, even in a year in which the pasta market showed intense competitive activity coupled with little growth, the Lancia-Bravo Foods Division sales are up by 7.1%. In the Parker Brothers Division, sales increased by 43.8% over fiscal 1977. Aided by the expansion from a single store to three stores, sales for the Eddie Bauer Division are up by 95.7% over last year. Overall, sales are up 23% to \$125,464,000 from \$101,984,000 a year earlier. Net earnings after taxes were \$2,996,000 as compared to \$906,000 in the previous year. Included in these figures are the sales and net earnings of the Regal Toy Limited subsidiary which became part of General Mills Canada, Ltd. in May, 1977. The financial results for fiscal year 1978 places the Company back into a strong growth pattern.

Instant Pasta

The export activity of the Company was kept growing during the year by Lancia-Bravo sales of its new After a return to instant pasta product to General Mills,

export of MBP Star Wars Kits to

Europe, Japan and Australia. Although General Mills Canada. Ltd. is extremely well known at the consumer level in terms of its specific products and brand names, it is not nearly so well known on the corporate scene. As a producer of such widely recognized foods as Cheerios Breakfast Cereal and Betty Crocker returned to profitable operations after Cake Mixes, General Mills Canada, Ltd. is usually thought of as only a grocery products company. While the Grocery Products Division of General Mills Canada, Ltd. yet represents a major segment of the Company's business, General Mills Canada, Ltd., is a much more diverse company than is generally perceived. Today, other long-established names such as Lancia states. Spaghetti, Bravo Food Products, opoly Board Game, Lionel Trains, Blue Water Seafoods and many others are as much a part of the General Mills corporate scene as Wheaties Breakfast Cereal and Hamburger Helper Mixes.

Diverse Operations

In 1978, General Mills Canada, Ltd. is a diverse company with operations in consumer foods; crafts, games and toys; specialty retailing; and printing. Organizationally, the Company comprises six divisions and one whollyowned subsidiary which are interrelated at the corporate level for financial management efficiency yet function as individual operating units, each directing its specialized capabilities towards a distinct market segment. These include the Lancia-Bravo Foods Division which specializes in pasta and other related ethnic foods; the Blue Water Seafoods Division of Lachine, Quebec; the Grocery Products Division; Parker Brothers Division which manufactures and distributes toys and games; Regal Toy Limitc.l; the Eddie Bauer Division which comprises a chain of retail out-lets which handle a wide range of outdoor wearing apparel and equip-ment; and the Impressions Division, which is a large scale commercial printing operation.

After a return to "more acceptable" earnings levels during fiscal 1978, Inc. in the U.S., continued Blue Water Seafoods plus the Parker Brothers Peavey Company looks toward con-siderable further improvement in the shareholders of record on Nov. 10.

sales to Kenner in the U.S. and the current year, according to the com pany's annual report for fisca year ended July 31, 1978.

"After last year's disappoint ; re sults, we are pleased to report sig nificant improvement in ope tion during the year," William G. : ocks, president and chief executive officer, comments in the report. Mr. Stocks recording a loss in the previous year, and the Industrial Foods Group enjoyed another year of increased flour

"While it is gratifying to see a re-turn to more acceptable earnings levels in fiscal 1978, our expectations for the next year call for considerable further improvement," Mr. Stocks

Net income of Peavey in the 1978 fiscal year was \$13,918,000, equal to \$2.40 per share on the common stock, up 50% from \$9,310,000, or \$1.60 per share, in fiscal 1977. Earnings of the previous year were off 40% from fiscal 1976 income of \$15,645,000, or \$2.73 per share.

Net sales of Peavey in fiscal 1978 totaled \$522,872,000, up 6% from \$494,306,000 from the previous year. In fiscal 1976, volume of sales was \$505.822.000.

Vanier on A D M Board

John K. Vanier, Brookville, Kas., manager of the Vanier family irms and ranches in Kansas, Wye ing, Colorado and Oklahoma, was e ted to the board of directors of . Daniels Midland Co. at the # shareholders meeting.

Mr. Vanier was elected to reliace his father, John J. Vanier, who was elected director emeritus by the ! urd. John J. Vanier has been a meml r of the ADM board since 1970, who he also became chairman of ADM lilling Co.

Re-elected to the ADM board ere Albert M. Andreas, Dwayne O. Andreas, Lowell W. Andreas, SI eve M. Archer, Jr., Crowdus Baker, ohn H. Daniels, H.D. (Joe) Hale, Erwin A. Olson, James R. Randall, Ben Schwartz, Purvis F. Tabor and Donald B. Walker.

Directors of ADM declared regular quarterly dividend of 5¢ per share on

THE MACARONI JOURNAL

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the largest single egg-producing facility in the world, and we have 4.5 million of the world's most carefully raised chickens (over 3 million

Egg City is

of them in production). We know, because we raise them ourselves, from our own breeding flock, with care from our own veterinarians, monitoring from our own laboratories and feed from our own feed mill. Every moment of their lives is quality-controlled by us for just one reason: to make our eggs and egg products the

very best you can buy. And those products are ready for your products right now, including fresh shell eggs, a frozen line that includes whole eggs. whites and yolks in plain, salted, sugared or colored (full NEPA range) form, and our spray-dried albumen (standard or angel type). Why not find think out more about Egg City? We've got good reasons for thinking we can meet your needs -4.5 million of them!

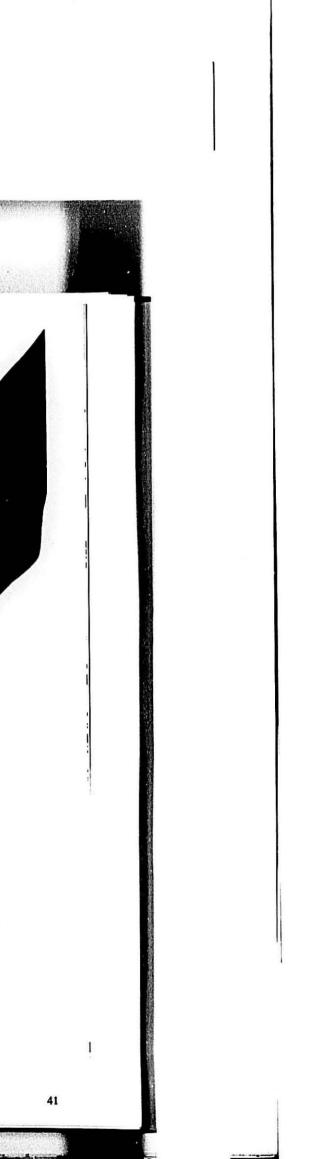


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Wheat Situation

from U.S. Department of Agriculture Wheat prices have been bolstered by a strong export market, a 12 percent smaller crop, orderly producer selling, and the large farmer-owned reserve. As of October 1 the harvest was estimated at 1.8 billion bushels, the first crop in three years below the 2-billion-bushel level. The principal cause was a 15 percent reduction in harvested acreage that reflected heavy participation in the 1978 acreage set-aside and graze-out programs.

The winter wheat harvest of 1.2 billion bushels was the smallest since 1972 due to a very short crop in the soft wheat States and a 15 percent reduction in the hard wheat crop. Spring wheat producers also harvested fewer acres, but Durum growers increased plantings a third, resulting in the second largest crop on record.

U.S. wheat exports for the 1978/79 marketing year are expected to ex-ceed 1 billion bushels for the sixth time in seven years, thus maintaining this country's recent share of world wheat trade. Earlier expectations of another good export year continue with shipments during June-October the second heaviest in history. This pace is expected to decline in the second half of the season when the Southern Hemisphere wheat harvest will stiffen competition.

World Crop Up

The world wheat crop is estimated to increase about a tenth over 1977/ 78 and is expected to exceed the 1976 record. Much of this increase is due to large crops in the USSR, the European Community, India, Ar-gentina, and Australia. The result will be an easing of world trade pros-pects. Total utilization may be slightly below the crop so world wheat stocks will probably build in 1978/

season's record, and will exceed the record of 190 million bushels. Only 1978 crop. Domestic use may drop about 9 million bushels have been because wheat feeding is expected to placed in the 3-year farmer-owned be cut sharply, but food use should be near last season's record level so tling down these huge supplies are stocks at the end of the season will not bright since projected total disprobably decline for the first time appearance is only expected to match since 1973/74. About half of these last year's level. Thus, carryover at

stocks may be in the farmer-owned reserve and CCC inventory.

Despite a large supply of oldcrop stocks, wheat prices held firm through harvest, and continue to run 70 to 80 cents per bushel higher than the year before. If conditions over the next several months result in a tighter than expected world supplydemand situation, U.S. wheat prices could approach the \$3.29-per-bushel release level of the farmer-owned reserve. Still, the average farm price for the first five months of the marketing year (June-October) will be below the \$3.40 target price and eli-gible growers will receive deficiency payments of between \$585-\$655 milion on 1978 production.

Durum Supply Up For 1978/79: Early **Export Very Strong**

Durum production in 1978 recovered from the short crop of 1977. Relatively strong Durum prices pre-vailed during the 1977/78 marketing year, and growers increased 1978 acreage about a third. As of October, the 1978 harvest is forecast at 126 million bushels, up nearly 60 percent from last year, and the second largest crop of record. North Dakota, the leading Durum-produc-ing State, accounted for over threefourths of the increased production. About 15 million bushels will come from Southwest "desert" durum States (California and Arizona) compared with 8 million in 1977 and 30 million in 1976.

Good Quality

Good overall quality is reported for most of the 1978 Durum crop with only minor sprout damage resulting from prolonged rains late in the harvest. Despite carryover of old-crop being down a fourth to 67 million bushels, this year's bumper harvest Total 1978/79 wheat disappear-ance is projected to about match last about 10 percent to near the 1976/77 reserve program. Prospects for whit-

the end of the season should nearly a third.

Early season mill grind is r ning behind last year's brisk pace b ause Durum and semolina prices w re at high premiums over hard whe and farina. Based on the overall gro th of pasta product consumption, the pres-sure of large supplies, and a narrow. ing Durum/hard wheat price spread, some increase in 1978/79 domestic demand is likely.

June-September exports were exceptionally strong, 34 million bushels compared to 16 million last year. An additional 12 million bushels of outstanding sales point to 1978/79 Durum

Exports Strong

exports close to last year's record 62 million bushels. Heavy buyers include North Africa, Italy, France, and East Germany. Last year's strong world demand for Durum in the face of the lowest world crop in 11 years found the United States to be the major source of supply. However, this year, major Durum producers (Italy and Canada) have larger production, pointing to reduced import reeds from Italy and overall increased market competition.

Despite the large supply, Durum prices at terminal markets were steady at \$3.50 per bushel through the harvest. Export sales and prudent producer marketing may hold prices steady through the first half o the marketing year.

Durum Roundup

U.S.D.A. Quarterly Report

Production of durum wheat is precast to be the second largest or record, according to the Crop Repairing Board, October 1. The high yie 1 is 57 percent greater than a year ago but 7 percent less than 1976.

Improved yields in most major mo-ducing areas plus an increase 31 percent in harvested acres are responsible for the production increase. Harvesting conditions were generally favorable during early September. Mid-month rains caused delays in completing harvesting, especially in Montana where 10 percent of the crop was still in the fields on October 1. However, at the same time harvest in (Continued on page 44)

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(Continued from page 42) North Dakota, where yields are expected to average 30 bushels compared to 24.5 last year, had neared

Stocks up slightly

completion.

U.S. durum stocks on October 1 totaled 143 million bushels (3.89 million metric tons), 2 percent more than last year's 140 million bushels (3.80 million metric tons). Farm-held stocks at 113 million bushels (3.07 million metric tons) accounted for 79 percent of the total. Disappearance of durum wheat during June through September was large, totaling 49.7 million metric tons during the same period a year ago. Increased overseas' shipments contributed to the 18 million bushel disappearance.

Strong overseas demand

There was a strong overseas demand for durum during the first quarter of the crop year, and the U.S. shipped 34 million bushels, 926.2 million bushels more than a year ago, and an increase of 10.3 million bushels more than the preceding year. Algeria took the bulk of U.S. durum, importing a total of 13.2 million bushels. France, Italy, the Netherlands, Spain, Tunisia, and Venezuela combined took another 15.4 million bushels which accounted for more than half the durum exports.

Since the opening of the shipping season through October, 1978, exports of durum wheat out of Duluth/ Superior accounted for a record high of 49.1 million bushels compared to 22.9 million a year ago. Canadian production up also

Canadian statistics released October 6 which are based on yields indicated September 15, show production of durum wheat for 1978 to be an estimated 101.3 mllion bushels, well above last year's crop of 46.9 million bushels. Yield per acre was 28.1 compared to 26.1 bushels per acre last year. The visible supply of Canadian durum in licensed storage and in transit on October 18, 1978, amounted to 563,000 tons, 24 percent less than a year ago. Canadian exports from June through September were 50 percent less than a year ago. Major importer of Canadian durum was the U.S.S.R.

Year Beginning June	Flour		Cash	
	Standard Spring Patent	Semolina 100 % Durum	No. 1 Dark Northern Spring	Hard A Duri Me
and an all	Dollars per cwt.		Dollars per bushel	
1975/76	10.22	13.25	3.74	5.16
1976/77	8.05	8,18	2.96	3.30
1977/78	7.48	8.93	2.66	3.37
1978				A. Star
June 15	8.30	9.60	3.02	3.70
July 14	8.10	9.40	2.96	3.56
Aug. 15	7.85	9.40	3.03	3.52
Sept. 15	7.65	9.05	3.02	3.46
Oct. 13	7.90	9.55	3.18	3.74

Gloomy Transportation Outlook

Barbara L. Schlei, administrator of USDA's Agricultural marketing service, predicted bluntly that rail car shortages could severely affect grain movements next year. Similarly, spot rail car shortages could hit the fresh fruit and vegetable and fertilizer industries, while truck shortages could plague the meat industry in 1979.

The problem, as detailed by Schlei, is that the "40-ft. narrow-door box car, which handled 62% of grain movements in 1970, is gradually becoming extinct." Since 1975, she noted, the number of these boxcars has declined by almost half, to 69,000 in September.

Schlei noted that the number of refrigerated rail cars has dropped by almost half in the past five years. Consequently, the railroads, which carried 24% of the fresh fruit and vegetabel traffic in 1973, will haul only a predicted 8% in 1979, Schlei said.

The rail car shortage has stepped up demand for trucks, which has caused truck shortages in some areas. The causes of these shortages are economic ones, according to Schlei and A. Daniel O'Neal, chairman of the Interstate Commerce Commis-

The price of box cars, for one, increased by about one-third, O'Neal said, to \$36,300 a car this year. The ICC chairman noted that many railroads had abandoned lines that were unprofitable.

O'Neal, Schlei and John J. Fearnsides, a deputy undersecretary in the Department of Transportation, said their respective agencies were working on numerous "remedics" for these

problems. However, none of the ofcials said rail car shortages would les sen significantly in 1979.

Freight Increase

Increases of 8% to 13% in freight rates for grain and grain products will be sought by the nation's railroads, effective Jan. 1.

Under the notice of a proposed general freight rate increase, costem, western and southern railroads will file on Nov. 1 a petition and proposed tariff seeking an effective date of Jan. 1, 1976, for an 8% across-the-board increase with certain percentage and other exceptions in freight rates and charges on interstate traffic to from and within all territories. A sizable number of exceptions was inc cated for grain and grain products, icluding wheat.

On grain products and relate | articles, there will be a 10% increas within Eastern or Western Territo : and between all territories. The la r includes wheat flour.

North Dakota Mill Expa: ds

North Dakota Mill & Elevato Asso ciation has broken ground and regan construction of a new 6,000-cwt seme lina mill adjacent to its existin ; two units at Grand Forks, it was announced by Sam Kuhl, general manager.

Work was begun promptly after th board of directors, comprising the governor and attorney general of North Dakota and the state's con missioner of agriculture, issued fina approval of the \$9 million program.

THE MACARONI JOURNA

dition to the new semolina North Dakota Mill project enlargement of the "A" mill 0 7,54 cwts from 5,000 cwts. This "swing" unit, grinding durum spring wheat flour at needed. our o mill is a 5,000-cwt semolina

On completion of the project, tarteted for June, 1980, capacity of North Dakota Mill will be 18,500 cwts, inluding 11,000 cwts semolina and 1,500 cwts durum flour or spring heat flour.

The new mill, to be designated the K" mill, is being constructed on the ite of a recently-razed feed plant. Ben Hennessy, assistant general manager, is project manager on the new construction, Mr. Kuhl announced.

Contract for the milling equipment as been awarded Ocrim Milling uipment Distributors Corp., Wicha Kas., and a representative of Ocrim will supervise the machinery installation. The Ocrim contract is or \$3.4 million.

Peterson Construction Co., Grand Forks, was awarded the building contract in the amount of \$2.9 million, and the mechanical contract in the mount of \$175,000 wents to Gibbs & Sons, Fargo. The electrical contract in the amount of \$610,000 was awarded Como Electric Co., Grand Forks.

North Dakota Mill will continue to supply its customers with semolina, durum flour and wheat flour during the o struction process, Mr. Kuhl

. .

Egg | sview The ation's laying flocks produced 567 b ion eggs during October, 1% more an a year ago, according to the C₁ > Reporting Board. The num-ber o' layers during October aver-aged 2,000,000, virtually the same as a y or earlier. Egg production per 100 la ers was 2,008 eggs compared with 989 a year ago. Layers in November totaled 284,000,000, about the same as a year ago, but 1% nore than the previous month's 280,-" 000,000. Rate of lay on November 1 averaged 64.6 eggs per 100 layers, compared with 64.4 a year earlier

and 64.9 on October 1.

Egg Products Under Federal Inspection

	PERIOD			
ITEM	Oct. 1, 1976- Sept. 30, 1977	Oct. 1, 197 Sept. 30, 197		
	1,000 Dozen			
Shell Eggs Broken	674,793	688,717		
Edible Liquid from Shell Eggs Broken:	1,000 Pounds			
Whole	424,933	415,123		
White	241,173	257,861		
Yolk	168,972	176.712		
Total Inedible Liquid from Shell Eggs Broken	835.078	849,696		
CONTRACTOR AND INCOMENTATION OF A				
Liquid Egg Used in Processing:2	107 00.4	100 210		
Whole	487,904	450,240 354,490		
White	344,964 190,314	192,906		
Yolk	1.023.182	997,636		
Total Ingredients Added in Processing ³	36,077	34,950		
Liquid Product Produced for Immediate				
Consumption and Processing:4	131,994	142,441		
Whole Plain Whole Blends	51.572	57,134		
White	148,969	140,368		
Yolk Plain	25,533	19,246		
Yolk Blends	36,150	41,792		
Total	394,218	400,981		
Frozen Product Produced:4				
Whole Plain	159,814	148,293		
Whole Blends	61,596	61,640		
White	43,475	57,277		
Yolk Plain	12,829	16,061 68,480		
Yolk Blends Total	70,362 348,076	351,751		
Dried Product Produced:3				
	10.371	11,090		
Whole Plain Whole Blends	24,521	22,892		
White	19,217	19,181		
Yolk Plain	13,894	14,639		
Yolk Blends	6,746	6,688		
Total	74,749	74,490		

1 Data for 1977 include 2 more days than data for 1976.

² Includes frozen eggs used for processing. Excludes Ingredients added.

3 Includes all non-egg ingredients added. 4 Includes ingredients added.

1 .1tually the same as a year ago. Eggs in incubators on November 1 at 33.500.000 were 3% above a year rago. !

Marshall Foods Income Up Net income of Marshall Foods, Inc., in the second quarter ended Sept. 25 totaled \$138,000, or 15¢ per share on the common stock, compared with \$38,000, or 4¢, in the comparable Peavey Strike Settled period a year ago. Sales in the quarter totaled \$18,084,000, up from \$17,609,-

.000. For the six months ended Sept. 25, Peavey Company since July. W Marshall had a loss of \$159,000 on net at the Peavey mill in Hastings, sales of \$35,348,000, compared with accepted a new two-year contra Egg.type chicks hatched during net income of \$101,000, or 11¢ per Oct. 25, a week after a similar october, 1978 totaled 37,600,000, vir-

ago. The company said improved ond quarter results by its food sions were offset by lower reve in its service merchandising o tions.

Operations of Marshall Food clude the Egg Products Div supplier of dried egg products, f eggs, liquid eggs and shell eggs.

Settlement was reached lat October on labor strikes which shut down two flour mills of

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CALCON D	



He's a Breadwinner

There when the weather, the harder a limeman of give him, the stamina he beed of de.

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PROFILE

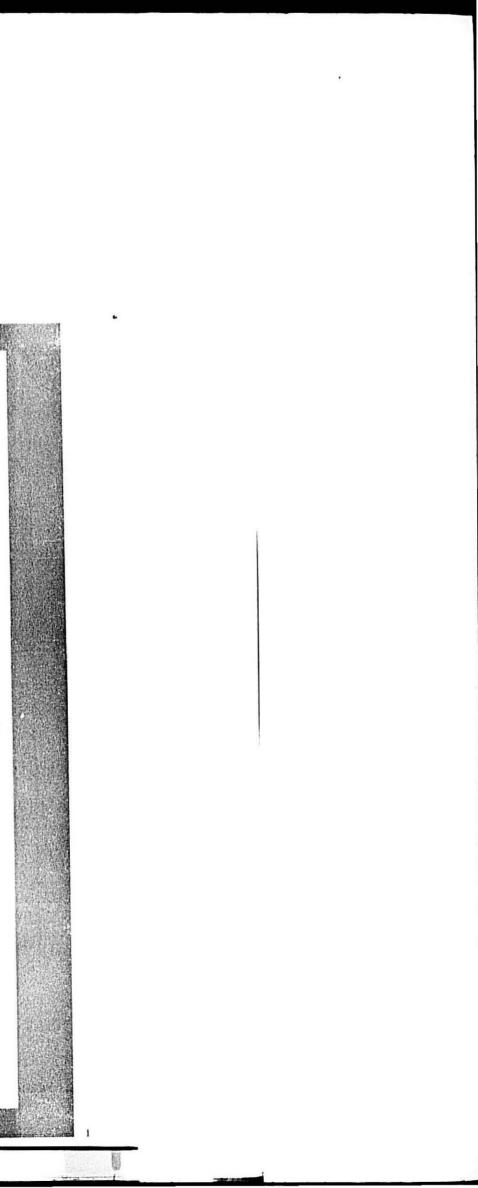
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Her ney to Acquire Skinner

He shey Foods Corporation annour ed plans to acquire Skinner Mac oni Company of Omaha and filed letter of intent with the Federal Trad Commission in mid-November. Di sussions were under way on plan to merge Skinner into Hershey as a vholly-owned subsidiary. If acquisi on of the midwestern macaroni comp my is consumated, it will be the fourt pasta company to join Hershey. Earlier acquisitions include Delmonico l'oods, Louisville, Ky., now operated as a part of San Giorgio Macaroni, Inc., Lebanon, Pa., a Hershey subsidiary. Last May, Hershey ac-quired substantially all of the assets larger, diversified food processors. of Procino-Rossi Corporation, Auburn, N.Y. The Skinner acquisition would place Hershey among the top three or Labatt Report four U.S. pasta manufacturers.

JANUARY, 1979



During the filming of new Galden Grain television spats, Charles Foll of Vantage Advertis-ing (center), is toasted with Rice-A-Roni by actors Leslie Evans and Barbara Brownell. Cullen Houghtailing (right) directed the filming. The spots, featuring two new Rice-A-Roni flavors, were produced by DePatie-Freieng of Hollywood and are currently on the air.

Henry is president. Executive vice- classifications including Catelli which president is C. Mickey Skinner.

production per day, including cut goods, long goods, extruded noodles and nested goods. Brand names are Skinner, Gold Medal and Roma. The plant is one of the nation's most modern and includes a recently-installed micro-wave drier with a 4,000 lb. Buhler press.

Borden to Buy Creamettes Borden Inc. said it signed a definitive agreement to purchase Creamette Co., a maker of pasta products, in a stock swap valued at about \$32 million

Borden will exchange 1,171,414 shares of common for the stock of Creamette, a privately held concern

based in Minneapolis. Completion of the transaction, which has been approved by both companies' boards, awaits approval Creamette shareholders.

Borden's entry into the pasta market, its first, is the latest of several

John Labatt is a Canadian corpor-

Lloyd E. Skinner is chairman of the ation composed of 14 breweries, conboard of Skinner Macaroni and W. A. sumer products under a half a dozen

is Canada's largest pasta producer, The Skinner plant in Omaha has a listed capacity of 250,000 lbs. of pasta For the year ended April 30, 1978, there was a 20.8 percent increase in

net earnings; an 8.1 percent increase in gross sales; improved results in all three groups-brewery, consumer products, and agri-products.

In the consumer products group results improved for the fifth consecutive year with major contributions coming from a significant turn around in wines and continuing profit growth in U.S. foods. Laura Secord contributed to the improvement although still in a loss position after accounting for the adverse effects of foreign exchange of purchases of cocoa and other imported commodities. Catelli profit increased moderately, and Parnell had a slight improvement.

Ogilvie Flour had an excellent recovery from an industry-wide strike in Quebec in the last quarter of 1977 and first quarter of 1978.

Specific examples of internal growth may have a relatively small impact on corporate results, but Catelli was an excellent example of their collective importance. This division's earnings have increased significantly due to market share gains. product development, and increased efficiency.

