

SPECIAL

FISHERIES MARKETING BULLETIN

BUREAU OF COMMERCIAL FISHERIES . U.S. DEPARTMENT OF THE INTERIOR

BRHAKA UNIVERSITY of KENTU FISH RECIPES FOR LENT

ISSUED BY THE BUREAU OF COMMERCIAL FISHERIES, U. S. FISH AND WILDLIFE SERVICE, AS A PART OF ITS CONTINUING CONSUMER EDUCATION PROGRAM IN COOPERATION WITH THE FISHING INDUSTRY



The first French explorers of the Great Lakes and Mississippi River observed early the importance of fish in the economy of the Indian tribes that lived along the shores. The names of Joliet, DeSoto, and Marquette are deeply etched in the annals of American history..... Nor were these intrepid adventurers, fur-traders, and missionary priests slow to realize the significance of this resource to the success of their own enterprises. Lake fish soon became a regular, often the principal, item of diet, and their accounts of travels are replete with comments on the delectable flavor and nutritional worth of the various species they ate.

Here where the rolling prairie meets the inland sea, changes over the past three centuries have been many and massive. Huge cargo vessels from all corners of the world have replaced the bateau of the voyageur, the noise of

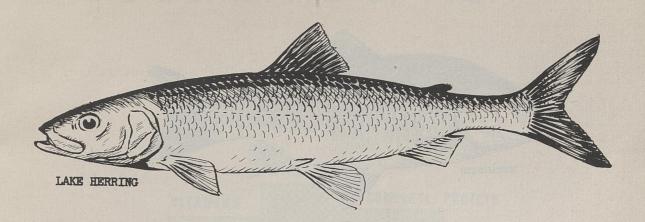
vast industries has broken the quiet of forest and water, tremendous cities lie on the former sites of Indian villages. Yet, one thing has not changed-the Great Lakes continue to supply in abundance the choicest fresh-water fish to be had. The epicure who would share the delights of the seventeenth-century traveler need only turn to them.

The products of the Great Lakes are unique as is also the fishery that exploits them. The lakes are the nation's principal or only source of supply for those who appreciate such prime delicacies as whitefish, lake trout, walleye, yellow perch, blue pike, smelt, or smoked chubs. Few political rallies or social events along the Mississippi River would be complete without a feast of channel catfish. The total catch runs into many millions of pounds, but producing units are mostly small and family owned. The lakes and rivers do not have large fishing ports characteristic of the ocean fisheries. Rather the take comes from the scores of small ports scattered along thousands of miles of shoreline.

The fishing village--houses clustered about some inlet or "Main Street" that gives shelter to the small craft, is repeated many times about the Great Lakes.



HERE ARE A FEW MORE FISH BIOGRAPHIES TO ADD TO YOUR FISH FACT FILE.

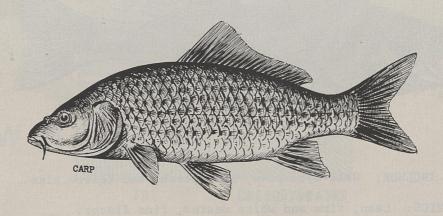


OTHER NAMES INCLUDE: Herring

CHARACTERISTICS: Range from lean to fat, white and tender meat, rich flavor.

MARKET SIZE: About 3 or 4 to the pound.

MARKET FORM: Whole, drawn, filleted; fresh or frozen. Mostly salted and smoked.

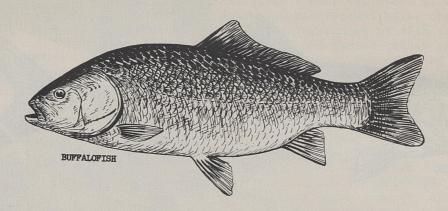


OTHER NAMES INCLUDE: German carp, Scale carp, Mirrow carp, and Chicken carp.

CHARACTERISTICS: Lean to fat, dark meated. Good flavor.

MARKET SIZE: About 2 to 12 pounds.

MARKET FORM: Whole fresh; some filleted, some alive, smoked, also used in "gefilte" fish.

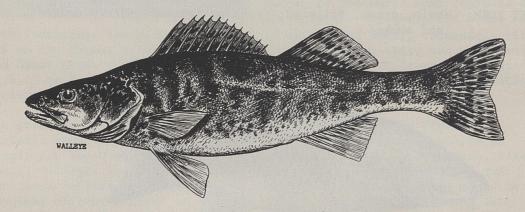


OTHER NAMES INCLUDE: Winter carp

CHARACTERISTICS: Lean, firm and flaky, rich flavor.

MARKET SIZE: About 5 to 15 pounds.

MARKET FORM: Whole, drawn, dressed, steaked, filleted, and smoked.



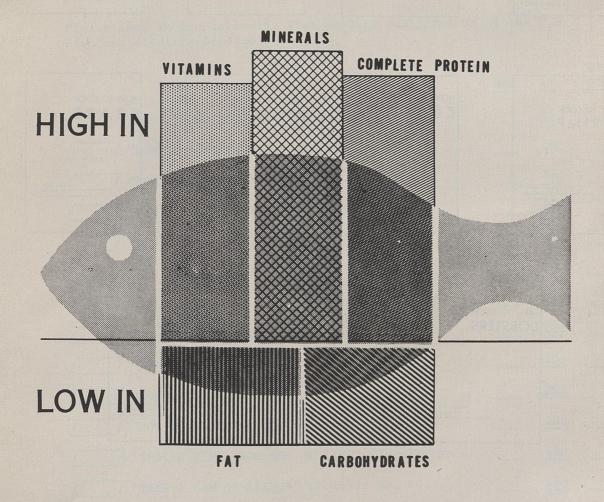
OTHER NAMES INCLUDE: Wall-eyed pike, Pike perch, and Yellow pike.

CHARACTERISTICS: Lean, firm and white meated, fine flavor.

MARKET SIZE: About 12 to 5 pounds.

MARKET FORM: Whole, dressed, filleted, fresh or frozen.

The BENEFITS of FISH



HOW TO COOK
OYSTERS

Test Kitchen Series No. 3
United States Department of the Interior
Fish and Wildlife Service

HOW TO COOK
SALMON

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HOW TO COOK
SCALLOPS

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The illustrated Test Kitchen Series Booklets numbers 2,3,4,6,7,8, 9,10,11,12,
and 13 contain many pages of easy to follow fish recipes and helpful tips for the
housewife. In addition two full color cookbooks circular No. 41 "Shrimp Tips
From New Orleans", and Circular No. 60 "Take a Can of Salmon", are available.
All may be purchased from the Superintendent of Documents, Washington 25, D.C.
A 25-percent Discount is given on orders of 100 or more of any one publication
sent to one address. An order blank is reproduced below for your convenience.

Superintendent of Documents Government Printing Office Washington 25, D.C.

Please send me the following fish cookery publications of the U.S. Fish and Wildlife Service:

			TOTAL
	NO.	AT.	COST
/ / "BASIC FISH COOKERY" TKS NO. 2	7-1	<u>25¢</u>	<u> </u>
/ 'HOW TO COOK OYSTERS" TKS NO. 3		20¢	
/ ''HOW TO COOK SALMON" TKS NO. 4	_	20¢	
/ ''HOW TO COOK OCEAN PERCH" TKS NO. 6	_	10¢	
/ ''HOW TO COOK SHRIMP'' TKS NO. 7	-	15¢	4 <u>64</u>
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/ ''HOW TO COOK HALIBUT" TKS NO. 9	CLAN SER	<u>20¢</u>	
/ ''HOW TO COOK CRABS" TKS NO. 10	231708	<u>20¢</u>	
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/ "TAKE A CAN OF SALMON" Circular No. 60	01 <u>10</u> 10	<u>15¢</u>	4
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Caricatures of some Mississippi river fish.

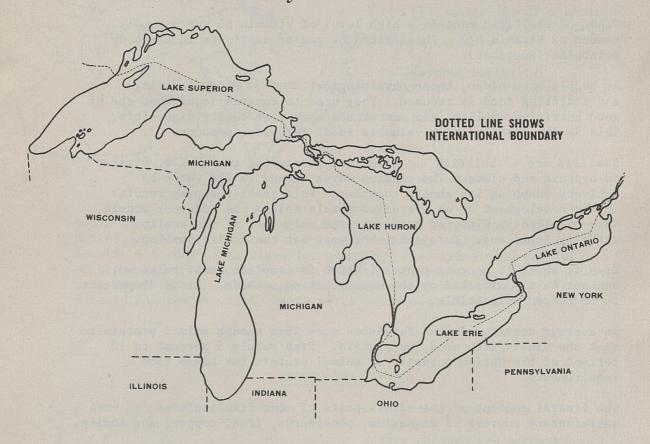
How many can you identify?



- 1. FRESHWATER DRUM
- 2. NORTHERN PIKE
- 3. SLENDER MADTOM
- 4. STONEROLLER
- 5. LARGEMOUTH BASS
- 6. SMALLMOUTH BASS
- 7. BULLHEAD
- 8. PIRATE-PERCH
- 9. NORTHERN LOGPERCH
- 10. BUFFALOFISH
- 11. LONGNOSE GAR
- 12. PADDLEFISH

- 13. DOGFISH
- 14. CATFISH
- 15. MOONEYE
- 16. QUILLBACK
- 17. NORTHERN HOG SUCKER
- 18. REDHORSE
- 19. WALLEYE
- 20. NORTHERN LONGEAR SUNFISH
- 21. SHOVELNOSE STURGEON
- 22. SILVER BASS
- 23. STARHEAD TOPMINNOW
- 24. CHESTNUT LAMPREY

Fresh Water Fishery Resources GREAT LAKES



CONTRARY EPITAPH?

This monument, which was erected in memory of a deceased seaman has puzzled generations of New Englanders:

"Underneath this stone lies poor John Round lost at sea and never found."

577205 O-61-2



Fish and shellfish contain a high level of Vitamin B6 and a goodly amount of Vitamin B12. These Vitamins act as catalysts in the body metabolic functions.

As people grow older, their physiological capacity for digesting and utilizing food is reduced. They need to consume foods that are of good nutritive quality, and are at the same time easily digestible. This is why fish are such valuable foods for older persons.

Scallops are a shellfish -- A mollusk possessing two shells, similar to oysters and clams. The scallop moves around in the water by actively snapping its shells together. This shell-snapping results in the development of an oversized muscle called the adductor muscle. This excellently flavored muscle is the only part of the scallop eaten by Americans. Europeans, however, eat the entire scallop.

Fish is about 18 percent protein, which is complete, well balanced, and not easily affected by the usual cooking methods. It is 85 percent to 95 percent digestible.

An average serving of fish furnishes more than enough animal protein to meet the usual daily need for protein. Fish supply 5 percent to 10 percent of the Nation's supply of animal protein for human food requirements.

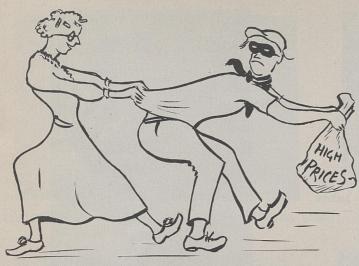
The mineral content of the edible parts of most fish includes satisfactory sources of magnesium, phosphorus, iron, copper, and iodine.

PRINCIPAL UNITED STATES FISHERIES



ALASKA

MONEY DOESN'T COME EASY THESE DAYS, SO MAKE THE MOST OF YOUR FAMILY FOOD DOLLARS. SERVE FISH AND SHELLFISH IN GOOD SUPPLY, FITS YOUR BUDGET.



TOASTED SARDINE-CHEESE SANDWICHES

1 can (15 ounces) Pacific sardines or 3 cans (3-3/4 ounces each) Maine sardines

2 tablespoons butter or margarine

1 teaspoon mustard

6 slices bread

6 slices cheese

Drain sardines. Split large sardines in half, lengthwise. Cream butter and blend in mustard. Spread bread with mustard - butter. Reserve 6 pieces of sardines for garnish. Place remaining sardines on bread and cover with cheese. Garnish with sardines. Place sandwiches on a cooky sheet, 15×12 inches. Bake in a very hot oven, $450^{\circ}F$., for 8 to 10 minutes or until cheese melts and bread toasts. Serves 6.

TOSSED TUNA SALAD

2 cans (6½ or 7 ounces each)

1 clove garlic

1 cup drained bean sprouts

½ cup chopped cucumber

1 cup celery crescents

2 cups chopped raw spinach

½ cup chopped green onion

½ cup French dressing

Tomato wedges

Drain tuna. Break into large pieces. Rub the inside of a salad bowl with the cut surface of a clove of garlic. Combine all ingredients except tomatoes. Garnish with tomato wedges. Serves 6.



COMMERCIAL FISHING



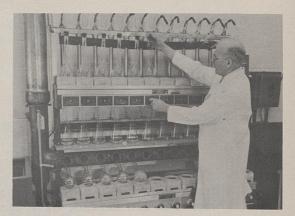
Smelt fishing through the ice, Great lakes



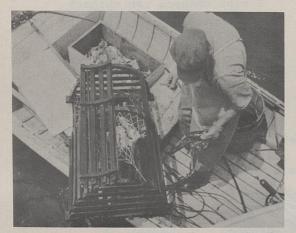
Lifting scallop dredge



Ice covered fishing boat unloading haddock, Boston, Massachusetts



Kjeldahl apparatus for determining the protein content of fish



Removing lobsters from lobster trap, Maine

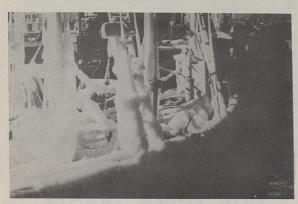
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Typical winter scene, ice covered fishing boat



Miss Scallop Festival, Annual Scallop Festival, New Bedford, Massachusetts



Unloading oysters from tong boat to buy boat



Alter in chapel aboard tuna clipper



Albacore boats, Terminal Island California







Put Taste Treats



on Your Table







THE PERFECT HOSTESS SAYS,



YOU CAN SPEND MORE TIME OUT OF THE KITCHEN BECAUSE FISH AND SHELLFISH DISHES ARE SO EASY TO PREPARE



YOUR HUSBAND WILL LOVE THE WONDERFUL FLAVOR OF FISH



240 VARIETIES OF FISH AND SHELLFISH GUARANTEE MANY TASTE TREATS. MEALS ARE NEVER BORING

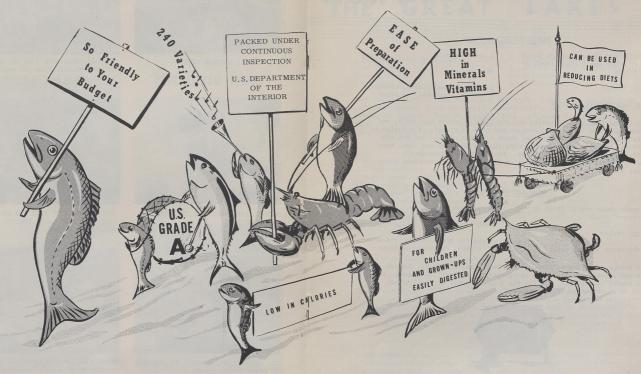


FISH AND SHELLFISH APPEAL TO CHILDREN FOR AFTER SCHOOL SNACKS



SERVE FISH AND SHELLFISH FOR HEALTHIER, TASTIER MEALS

FISH and SHELLFISH PARADE of VALUES



T.N.T.

FROM

TASTY NUTRITIONAL TREATS LAKES GREAT

PAN-FRIED YELLOW PERCH

2 pounds pan-dressed yellow perch or other small fish, fresh or frozen 1 teaspoon salt

Dash pepper

1 egg. beaten

1 cup dry bread crumbs, cracker crumbs, cornmeal, or flour

1 tablespoon milk or water

Thaw frozen fish. Clean, wash, and dry fish. Combine egg, milk, and seasonings. Dip fish in egg mixture and roll in crumbs. Place fish in a heavy frying pan which contains about 1/8 inch of fat, hot but not smoking. Fry at moderate heat. When fish is brown on one side, turn carefully and brown the other side. Cooking time approximately 10 minutes, depending on thickness of fish. Drain on absorbent paper.

DEEP-FAT FRIED SMELT

2 pounds whole smelt, fresh or 1 teaspoon salt frozen

1 egg, beaten

Dash pepper

1 tablespoon milk or water

1 cup dry bread crumbs, cracker crumbs, cornmeal, or flour

Thaw frozen fish. Dress fish by removing entrails. Wash. Combine eggmilk and seasonings. Dip fish in eggmixture and roll in crumbs. Fry in a basket in deep fat, 375°F., for 3 to 5 minutes or until brown. Drain on absorbent paper. Serves 6.



BAKED YELLOW PIKE

3 pounds dressed yellow pike, fresh or frozen 1 teaspoon finely chopped onion ½ teaspoon salt ½ cup butter or other fat, melted ½ cup chopped parsley

Thaw frozen fish. Clean, wash, and dry fish. Rub inside and out with salt and pepper. Place in a well-greased baking pan. Combine lemon juice, onion, and butter. Pour over fish. Bake in a moderate oven, $350^{\circ}\mathrm{F.}$, about 40 to 60 minutes or until fish flakes easily when tested with a fork. Garnish with parsley sprinkled over the top. Serves 6.

BUFFALO FISH SALAD

1 quart flaked, cooked buffalo fish
2/3 cup mayonnaise or salad dressing
½ cup chopped celery
½ cup chopped green pepper
½ cup chopped sweet pickle
2 hard-cooked eggs, chopped

2 tablespoons lemon juice 2 teaspoons horse-radish 1 teaspoon salt Dash white pepper Lettuce

Combine all ingredients except lettuce; mix well. Chill. Serve on lettuce. Serves $\boldsymbol{6}.$

OVEN-FRIED CATFISH

2 pounds dressed catfish, fresh or frozen 1 tablespoon salt

l cup milk l cup dry bread crumbs 낯 cup butter or other fat, melted

Thaw frozen fish. Cut into serving-size portions. Add salt to milk. Dip fish in milk and roll in crumbs. Place in a single layer in a well-greased baking pan. Pour melted butter over the fish. Bake in an extremely hot oven, $500^\circ F$., about 10 to 15 minutes or until fish is browned and flakes easily when tested with a fork. Serve with tartar sauce. Serves 6.

TARTAR SAUCE

 $\frac{1}{2}$ cup mayonnaise or salad dressing \$1\$ tablespoon chopped parsley 1 tablespoon chopped olives 1 tablespoon chopped pickle

Mix thoroughly and chill.

BAKED STUFFED STRIPED BASS

3 or 4 pounds dressed striped bass or other dressed fish, fresh or frozen

1½ teaspoons salt

½ cup chopped onion

3/4 cup chopped celery

1/3 cup butter or other fat, melted

1 teaspoon salt

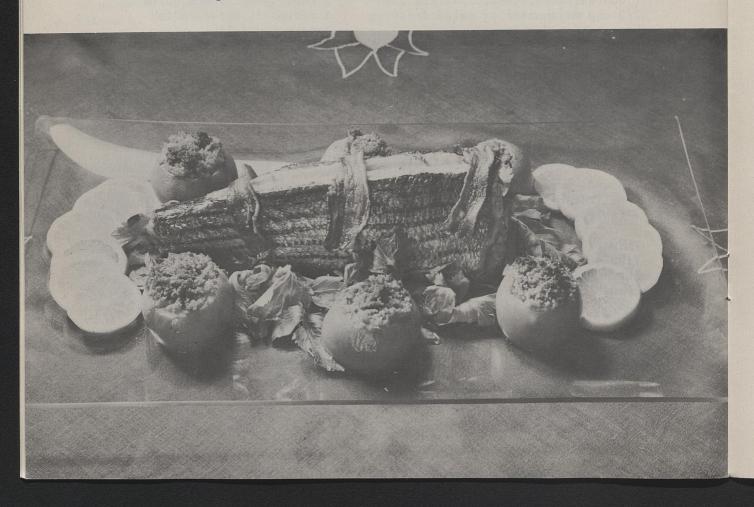
Dash pepper

1 teaspoon thyme, sage, or savory seasoning

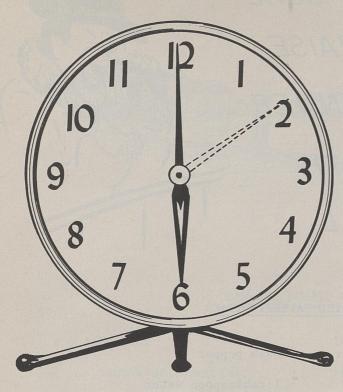
1 quart day-old bread cubes

2 tablespoons butter or other fat, melted or 3 slices bacon

Thaw frozen fish. Clean, wash, and dry fish. Sprinkle inside and out with salt. Cook onion and celery in butter until tender. Add cooked vegetables and seasonings to bread cubes; mix thoroughly. If stuffing seems very dry, moisten with 2 tablespoons water or milk. Stuff fish loosely, and sew opening with needle and string, or close with skewers. Place fish in a well-greased baking pan. Pour butter over fish or lay slices of bacon over the top. Bake in a moderate oven, 350°F., for 40 to 60 minutes, or until fish flakes easily when tested with a fork. If fish seems dry while baking, baste occasionally with drippings. Remove string or skewers. Serves 6.



UNEXPECTED COMPANY COMING? NO PROBLEM, DINNER IS READY WITHIN MINUTES WHEN YOU SERVE



BROILED SCALLOPS

1½ pounds scallops, fresh or frozen

1/3 cup butter or margarine, melted

teaspoon salt

Dash white pepper

Dash paprika

2 tablespoons chopped parsley

3/4 cup butter or margarine, melted

3 tablespoons lemon juice

Thaw frozen scallops. Remove any shell particles and wash. Cut large scallops in half. Place on a greased broiler pan. Combine butter, salt, pepper, and paprika. Brush scallops with seasoned butter. Broil about 3 inches from source of heat for 3 to 4 minutes. Turn carefully. Brush other side with seasoned butter and broil 3 to 4 minutes longer. Sprinkle with parsley. Combine butter and lemon juice; serve with scallops. Serves 6.



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CHICKEN-FRIED HALIBUT STEAKS

2 pounds halibut steaks or other fish steaks, fresh or frozen

½ cup flour

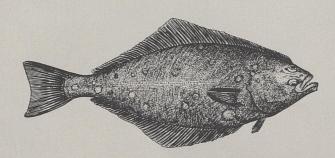
1 teaspoon salt

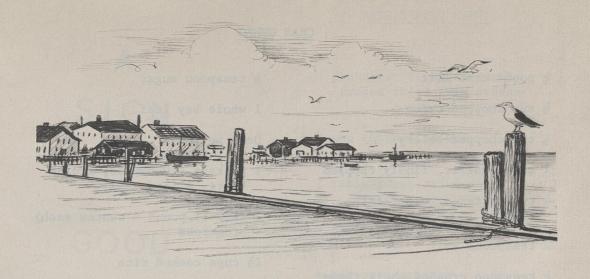
Dash pepper

1 tablespoon water

2 tablespoons chopped parsley

Thaw frozen steaks. Cut into serving-size portions and roll in flour seasoned with salt and pepper. Place fish in a heavy frying pan which contains about 1/8 inch of fat, hot but not smoking. Fry at moderate heat. When fish is brown on one side, turn carefully and brown the other side. Cooking time approximately 10 minutes, depending on thickness of fish. Add water; cover and simmer for 5 minutes. Remove fish to a hot platter. Pour pan gravy over fish and sprinkle with parsley. Serves 6.





CLAM AND POTATO CASSEROLE

1 quart clams

1/2 cup butter or other fat

支 cup flour

1½ teaspoons solt

Dash pepper

1/2 teaspoon curry powder

1½ cups clam liquor and milk

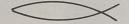
1½ quarts sliced cooked potatoes

3/4 cup chopped onion

2 tablespoons grated Parmesan cheese

Paprika

Drain clams and save liquor. Chop. Melt butter; blend in flour and seasonings. Add clam liquor gradually and cook until thick and smooth, stirring constantly. Add clams. Place one-half the potatoes in a well-greased 2-quart casserole, sprinkle one-half the onion over potatoes, and cover with one-half the sauce. Repeat. Sprinkle with cheese and paprika. Bake in a moderate oven, 350°F., for 45 to 50 minutes or until brown. Serves 6.



CRAB GUMBO

½ pound crab meat

½ cup chopped onion

½ cup chopped celery

1 clove garlic, finely chopped

t cup butter or other fat, melted

2 teaspoons salt

teaspoon crushed whole thyme

1 teaspoon sugar

1 whole bay leaf

Dash pepper

1 package (10 ounces) frozen okra, sliced

2 cans (1 pound 4 ounces each)
 tomatoes

1½ cups cooked rice

Remove any shell or cartilage from crab meat. Cook onion, celery, and garlic in butter until tender. Add seasonings, okra, and tomatoes. Cover and simmer for 45 minutes. Remove bay leaf. Add crab meat; heat. Serve over rice. Serves 6.



FISH STICKS CAPRI

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OF

GOOD

QUALITY



- 2 packages (8 ounces each) frozen fried fish sticks
- 1/2 cup chopped celery
- 2 tablespoons salad oil
- 2 tablespoons flour
- teaspoon oregano
- 1 teaspoon garlic salt
- teaspoon sugar
- 1 teaspoon salt
- teaspoon basil

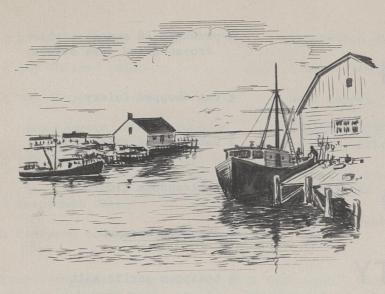
Dash cayenne pepper

1 can (16 ounces) tomatoes

Cook celery in oil until tender. Blend in flour and seasonings. Add tomatoes and simmer for 30 minutes or until slightly thickened. Place fish sticks in a single layer on a well-greased cooky sheet, 15×12 inches. Bake in a hot oven, 400° F., for 15 to 20 minutes or until heated through and crisp. Serve sauce over fish sticks. Serves 6.



FLOUNDER FILLETS AU FROMAGE



- 2 pounds flounder fillets or other fish fillets, fresh or frozen
- 1 teaspoon salt

Dash pepper

- 2 tablespoons chopped onion
- t cup butter or other fat, melted
- 2 cups soft bread cubes
- ½ cup grated cheese
- ½ cup milk

Thaw frozen fillets. Cut into serving-size portions. Place in a single layer in a well-greased baking pan, $12 \times 8 \times 2$ inches. Cook onion in butter until tender. Add bread cubes and cheese; mix well. Spread over fish. Pour milk around fish. Bake in a moderate oven, 350° F., for 30 to 35 minutes or until fish is brown. Serves 6.

GOURMET PORTIONS

- 2 pounds frozen, unbreaded fish portions
- ½ cup dry bread crumbs
- t cup butter or other fat,
 melted
- 1 tablespoon lemon juice

- 1 tablespoon Worcestershire sauce
- 1 teaspoon prepared mustard
- 1 teaspoon salt

Dash pepper

Dash paprika

Place frozen portions in a single layer in a well-greased baking pan, $12 \times 8 \times 2$ inches. Combine remaining ingredients. Place on top of fish. Bake in a moderate oven, 350° F., for 30 to 40 minutes. Place under broiler about 3 inches from source of heat. Broil for 4 minutes or until crumbs are browned and fish flakes easily when tested with a fork. Serves 6.

EVEN YOUR MOST DISTINGUISHED GUEST WILL TIP HIS HAT WHEN YOU SERVE THIS VERY POPULAR SHELLFISH.



LOBSTER NEWBURG

3/4 pound cooked lobster meat

1/2 cup butter or margarine

2 tablespoons flour

1 teaspoon salt

₹ teaspoon paprika

Dash cayenne Pepper

1 pint coffee cream

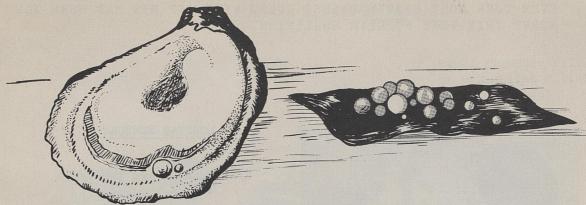
2 egg yolks, beaten

2 tablespoons sherry

Toast points

Cut lobster meat into ½-inch pieces. Melt butter; blend in flour and seasonings. Add cream gradually and cook until thick and smooth, stirring constantly. Stir a little of the hot sauce into egg yolk; add to remaining sauce, stirring constantly. Add lobster meat; heat. Remove from heat and slowly stir in sherry. Serve immediately on toast points. Serves 6.





Oysters are a treasure, with or without the pearl.
A nutritive treasure, that is.

OYSTER FRITTERS

1 pint oysters

2 cups sifted flour

1 tablespoon baking powder

1½ teaspoons salt

2 eggs, beaten

1 cup milk

1 tablespoon butter or other fat, melted

Drain oysters, and chop. Sift dry ingredients together. Combine eggs, milk, and butter. Pour into dry ingredients and stir until smooth. Add oysters and mix well. Drop batter by teaspoonfuls into deep fat, 350°F. Fry about 3 minutes or until golden brown. Drain on absorbent paper. Serves 6.

OYSTER DREDGE Atlantic Coast



SALMON CURRY

1 pound can salmon

½ cup chopped onion

3 tablespoons butter or other fat, melted

3 tablespoons flour

1½ teaspoons curry powder

½ teaspoon salt

1 teaspoon ginger

Dash pepper

2 cups salmon liquid and

milk

3 cups cooked rice

Drain salmon, reserving liquid. Break salmon into large pieces. Cook onion in butter until tender. Blend in flour and seasonings. Add salmon liquid gradually and cook until thick, stirring constantly. Add salmon; heat. Serve over rice with any of the following curry condiments. Serves 6.

Curry condiments: chopped hard-cooked egg whites; shredded toasted coconut; chopped nuts; chopped green pepper; chopped tomatoes; fried noodles; chopped onions; crystallized ginger; sieved hard-cooked egg yolks.

SHRIMP AND PINEAPPLE KABOBS

1½ pounds shrimp, fresh or frozen

1 can (16 ounces) pineapple chunks

½ cup butter or margarine

1/3 cup brown sugar

½ cup pineapple juice

1 teaspoon salt

Dash pepper

Thaw frozen shrimp. Peel shrimp and remove sand veins. Wash shrimp and drain on absorbent paper. Drain pineapple, reserving juice. Arrange shrimp and pineapple chunks alternately on 6 skewers, 7 inches each. Melt butter. Add brown sugar, pineapple juice, and seasonings. Dip each skewer in sauce. Place skewers across a baking pan, $10 \times 6 \times 1$ inch. Bake in a very hot oven, 450° F., for 20 to 25 minutes, turning once during baking to brown the other side. Baste twice during baking. Serves 6.

