# TX 747 

Economic Circular No. 29
Issued August 8, 1917

# WHY AND HOW TO USE SALT AND SMOKED FISH. 

Sixty-ofe Ways of Cooking Them.
 smoked tish! I) yon know the names of mome that fome or fion of each, or a dozen ways, all told, of cowking them! If yon do, yon are to be congratulated, for some knowledge is atome the aremate but do gon know that there are enomgh wats of rooking there lishes to provide a new recipe once a week for a year and not exhallot the posibilities or to serve a new dish every day of the year, if som vary the kind of fish used! Y'm motatly do not. and it is the purpose of this little circular to tell you how tor do these things and to tell a little more about the subject.

Americans are notoriously deficient as fish eaters, and they are particularly neglect ful of cured or preserved fishes, exeepting those obtainable in tin. Less than 2 pommels per capitat is the yearly comsmaption of salt and smoked fish, amb of this the greater part is eaten by the foreign born. This eondition exists motwithstanting that there are large areas of the combtry in which transmotation difficulties make it almost or quite impossible to get fresh tish with frequency, if at all.

Where fresh fish are not oltainable or in thase remsoms when they we relatively scarce almost everywhere smoked and salt fish make a very acceptable and low-priced substitute. and for hreaktast many persons give them preference under all conditions. For the winter's stpply, salt fish can be " laid in" in drantity and. therefore have the merit of convenience and araibability for emergencies. swoked fish are, generally, more periabable than salt fish mateo sereially packed, but they also can be held for sufticent periorls to make them convenient as well is delectable.
 specially packed and in expensive containers, are erenerally sold at retail at a lower price than the sime fishere fied, hat it is not emo
 tain more nutriment than when fresh. This is becanse the amines extracts a large part of the water, and what is lelt is more nearly
 tein, while that most valmable of foodstuftis constitute - but abont 14 per cent of the fresh fish. Mackered comtains abont $2 \because$ per eent when salted and is per cent when fresh. At the same prime por prombl.

[^0]salt cod is 37 per cent and salt mackerel 22 per cent cheaper than the same fish fresh. That is a point worthy of consideration, Madam Honsekeeper.

One of your difficulties in marketing may be that you do not know what to ask for, but the lists given in comnection with the recipes will help to supply you with a fish vocabulary which you may use to advantage. Perhaps some of these may not be readily obtainable in your locality, because they are little known or new, but you will help to vary the national diet and prevent waste if you will ask your dealer for them. Remember that the fishermen will not catch in large numbers nor the dealer handle fish that nobody asks for, and when they get in the nets they are often thrown away-a sheer loss of good food.

Salt fish must be freshened before they are used, but that requires little more trouble than mere forethought. Place them, flesh side down, in a large volume of water and leave them there for from 12 to 48 hours, according to taste and the size and thickness of the fish. Change the water several times. The extraction of the salt may be hastened if the fish be raised above the bottom of the container by placing it on a wire tray or several clean sticks and, if the pieces be thick, by making sereral deep incisions in the flesh. Less freshening is required if the fish be boiled or otherwise cooked in liquid than if used for broiling or frying.

## RECIPES. ${ }^{*}$

## SALT FISH.

The following recipes may be used for almost any dried salt fish, such as cool, pollack, haddock, hake, whiting, burbot, channel bass, barraconda, drumfish, shark, etc. Many of the recipes may be used for sablefish by reducing or omitting the fats. Bacon and salt-pork fats may be substituted for butter in many cases. Some of these fish are sometimes so salt as to require considerable soaking, sometimes so fresh as to require little or none. The cook must use her own judgment with the particular material at hand.

1. Salt-fish choudcr.-Take one-half a pint of picked salt fish. Pare and thinly sice 1 pint of raw potatoes and 1 large white onion; put in a hot buttered baking dish in alternate layers of fish, onion, potato, and 1 cracker, crushed fine. Adrl salt and cayeme pepper to taste, cover with hot water. and boil gently for 20 mimutes. Add 1 pint of hot milk and a few tablespoonfuls of good cream, and let boil up.
2. Baked salt fish.-Take a rap of picked fish and stew gently in warm water. Mix 2 cups of cold mashed potatoes with a pint of milk, 2 eggs, a lump of butter the size of an egg, or bacon fat, a seasoning of pepper, and a pinch of walt if necessary. Mix with the fish, turn into a buttered pudding dish, and bake about half in hour.

[^1]3. Baked salt fish.-To a large teacup of fish, picked fine. ahd 2 ralls of milk, 2 well-beaten eggs. salt amb pepper to taste, and half a cup of butter, of bacon fat ; mix very thorourhly, ath bake hatf an hour.
4. Salt-fish rups.-Boil 1 rup of prepared salt fish for 20 minntes drain, and set aside until cold. Ald 2 cups of bread (rumbs and 2 welt-beaten egess sat son with salt and pepper. Dix well, then make into baths and with the tingers form into coplike shapes. Place cups in greased pan and broak an egos into each one pat a litile butter and salt on top of each. Bake showly in the oven muthegs are solid. If garnished with lettuon leaves on parsex, it adds to the appearance.
5. Nodloped salt fish.-Mix a cup and a half of cold boiled rice with 2 bablespoonfuls of ream; altermate the rice in a butterer baking dish with tish finty. flakerl, finishing with rice. Carefully break 4 egges on top; seatson with salt, pepler, amb bits of butter. Bake until the eges are set. Individual ramekins may be used and an egg slipped on each.
6. Nath-fish souglé.-Boil prepared fish for 20 minutes; drain the fish, pombd it, and run through a sieve or meat chopper ; add 2 ounces of melted butter, the beaten yolks of 2 eags, and season with pepper and salt to tasto. beat up the whites of eggs to stiff froth, add them lightly to the other mixture in a pie dish, and bake in a quick oven about 20 minutes.
7. Salt-fish souflé.-Boil 1 pint prepared fish for 20 minutes; drain, and wet aside until cold. Boil 8 good-sized potatoes and mash smooth; season to taste with salt and pepper and 2 large tablespoonfuls of butter. Atd three-quartors of a cup of hot milk and stir in 2 well-beaten eggs. Turn into a groased bakinis dish and heat in the oven about 10 minutes. Beat the whites of 2 eggs to a stiff froth; add half a teaspoonful of salt, then add 2 beaten yolks. Spread this wrer the top of the fish and return to the oven to brown. Serve from the sime dish while hot.
S. Nalt fish, au gratin.-Boil a pound of fish gently for 2 hours, putting it over the fire in tepid water; let it set cold and mince it fine. Take at rup of drawn butter made by cooking together a tablespoonful each of butter and flour and stirring them into a cup of boiling water until the sance is thick and smooth. Stir the fish into this, pepper to taste. mix with it 2 tablespoonfuls of grated cheese, turn into a baking dish, strew with crumbs and a bit of butter and a little more grated cheese, and brown in the oven.
9. Salt-fish puddma.-Mix together 2 cups of thaked tish. $1 \frac{1}{2}$ cups of stale bread crumbs, 2 cups of milk, 2 well-beaten egss, one-third cup of melted butter. one-half teaspoonful of onion juice. 1 teasponful of peprer. Tum into a but tered baking dish, cover with one-third cup of buttered crmms, sprinkle with grated cheese, and bake to a light brown.
10. Baked sall fish.-Boil for 20 minutes enough fish to make 2 cups of flaked or shredded fish; drain, and set away until cold. Add to the fish 1 cipful of mashed potatoes. Mix well with 1 cup of milk and the yolks of 2 eggs well Whipped. Add a tablesponful of melted butter, salt and pepper to taste, and $: 3$ tablespronfuls of grated Parmesan cheese. Turn into a greased baking dish. sprinkle grated cheese over the top, and bake to a wollen brown. serve immerliately.
11. Broiled wath fish.-Cut a square the size you desire from the thickest part of the fish. Take off the skin, and wash clean: broil over clear coals 10 minutes, then dis in boiling water, hintier and serve.
12. Boiled sult fish.-Skin $1 \frac{1}{2}$ pounds of fish and ent into smitable pieces. Put the stewpan with water on the fire, alding a eomple of onions cut into gharters. When at a hoiling point. pare the tish in it and wait motil it boils again. when it should he taken from the fire at once and left to draw for m minutes longer.

Take out of the pan, place on a colander, season it, and put on a hot plate. Serve with browned butter and mustard.
13. Salt-fish dinnet.-Cut up one-half pound salt mixed pork in tiny squares and fry brown. Boil the uumber of potatoes needed. Boil 1 pound of tish 15 minutes ; drain and put on platter. Put the pork scraps and fat in a gravy boat and the potatoes in a covered dish. Nix your potatoes and fish together on your plate at dinner and have the pork scraps and fat for gravy.
14. Creamed salt fish.-Pick in small pieces 1 cup fish. Melt 1 tablespoonful butter, add 1 tablespoonful of flour, and pour on gradually 1 cup hot milk. Add fish, and turn on a hot phatter. Garnish with slices of hard-boiled eggs. Serve with baked potatoes.
15. Sall-fish casserole.-Cream fish as in recipe No. 14. Spread crumbed bread in bottom of casserole with butter, salt, and pepper. Pour in creamed fish while hot. Cover with inead crumbs and bake in hot oven until brown.
16. salt fish in cream.-Tear a piece of tish into small strips, wash clean, and place in a howl with about a quart of water. Let it simmer half an hour, then pour off the water, and add 1 pint of new milk. When this comes to a boil, thicken with 1 spoonful of tiour. Let it boil 5 minutes, then add butter the size of a walnut and a little pepper, and serve.
17. Creamed salt fisll in pepper rases.--Two tablespoonfuls butter. 2 tablespoonfuls tlour, dash calyeme pepper, 1 pint hot milk, one-quarter pound picked fish which has been soaked over night. Blend the butter, flour, and pepper; add the hot milk, little at a time' cook 2 minutes; then add the picked fish and cook mitil creamy. Select large green peppers of uniform size, cut lengthwise, and remove seeds and veins, pour boiling water orer them, and scald a few minutes to bring out and preserve their green color. Fill the pepper shells with the creamed fish and cover with the yolk of a hard-boiled eag rubbed through a sieve or vegetable press.
18. Fricd sall fish.-Bnil a piece of fish until it is tender, but not broken. Drain, cut into slices an inch thick with a sharp knife, and wipe dry with a piece of cheesecloth. Dredge the slices with pepper, and lay them in a pint of milk in a baking dish or pan. Let soak in the milk for at least an hour, then dip each slice in beaten erg, seatoned with pepper only, and cover completely with tine bread crumbs. Fry them a live brown in hot fat sufficient to cover well. Garnish with cress or parsley and lemon, or serve a dish of crisp cucumber cut in thin slices and a little French dressing.
19. selt fish. C'uben style.-D'ick fine a cupful of fish and soak in different water until fresh enough for use. Fry a chopped onion in a tablespoonful of butter to a rich brown. and add the drained tish with water enough to cover it, a green pepper chopped fine. amd a cupful of stewed tomato. Cover and stew slowly for an hour. This may be served with toast.
20. Sult-fish butls, So. 1.-lick the fish apart. Boil potatoes and mash them. Mix fish and potatoes tosether while potatoes are hot, taking two-thirds potatoes and one-third fish. Put in plenty of butter, make into balls, and fry in plenty of lard. Hare lard hot before putting balls in.
21. Sult-fish bullis. Ao. 2.-Shred a piece of fish sufficient for 1-quart bowl full. Cover it with water and let it simmer gently until tender. Mash 6 fresh-boiled potatoes while hot. Drain the fish, pound it, and rum through a sieve; mix with this the mashed potators and 3 well-beaten eggs; season to taste, and add small lump of butter. Drop by the tablespoouful into a pan of boiling hot lard and fry until a delicate brown. Drain on brown paper, then serve very hot.
22. Furm fish balls.--One cup salt fish, 2 cups raw potatoes cut in pieces; cook together. When done, put through sieve or meat grinder and add 1 egg. Make into balls and fry in deep fat.
23. Salt-fish hash.-For 1 persons, fake 2 cups of freshened salt fish. (hop) fine or ron throush a meat grinder; an cqual amount of cold boiled potatoes, treated in the same way $;$ mix and moisten with milk in which an ege has been thoroughly whimed. Fry some bacon or pork amd we tho fat for serasing the frying pall, in which the hash is fried brown. Now and then add suflident fat to keep hash from burninge but not enoush to make it too greasy. It may be twoed like ath omelet. Sorve hot on phater with strips of bacon or perk.
-3. Sult-fish frithers.-Cut the fish into strips abont the sizo of the timer. Wipe dry, dip each piece in fritter batter, and fry brown in hot tat.
2.5. Salt-fish omelrt.-I'ut 1 pint of sliced raw potatoes in a stewpan, add 1 pint of sherded and freshened tish, wore with eohd water, and boil watil the potatoes are done. Drain; add one-half (op) of thin cream, 1 tahlesponful of butter, the beaten $\mathfrak{y}$ olks of 2 egess and bepper and salt to taste. bat thoroughly matil very light, fold in the stitty beaten whites of :3 eqse rook in a fryme pan matil brown on the bottom, then fold like an molde and serve immediately.
20. Nalt-fish sulad.-Take 3 pieces of fish cut 2 inches sefuare; split them in two; after soaking, drain and wipe dry. Baste each piece wibl a litule butter, and boil. When cool, tear them apart ; cover with French salad dressing ; let stand for 2 howrs. Half fill a salad bow with crisp lelture leates: drath the fish, add it to the letthee and add mayonnaise. When in seasom, sices of erisp cucumber may be added to the fish.

The following recipes may be used for brine-salted fish, such as mackerel, atka fish, herring, alewises (river herring), shad, salmon, sablefish, mullet, whiting, etc. In using sablefish, which is very rieh, reduce the quantity of fats prescribed:
2. Balich sall fish.-Put the tish in a pan, cover with ream or rich milk, and place in the oven. Cook matil eremm is hrown. Abont is minutes before it is dished add a small piewe of butter and some pepper.

2S. Broiled salt fish.-Wry the fish carefully and butter ; lay the lish in the broiler amd broil a nice brown. Lay on a heated batter and pour ower it a tablesponfal of butter mixed with a teaspoonfal of lemon juice or vinegar, a tablespontul of boiling water, a pinch of back pepper, and a tiny some gherkin or cucumber pickle minced tine.
29. Boiled salt fish.- Boil from 1 to $1 \frac{1}{2}$ pounds of fish 10 minutes or until meat leares the bone. Serve with boiled potatoes.
30. Creamed sult fish.-Wipe the fish dry and broil until well done, but not too brown. Lay on a hot platter ; make a cop of cream saure: season with salt, polner, athd a little pabrika. Just before pouring over the fish, which should have the bones removed, add to the sance a well-beaten ege and a little lemon juice. Do not let the sauce stamb after adding the exs and lemon.
31. Pickiled salt fish.- lour boiling water over the fisb and let it stand 15 minutes; drain off, and then pour on boiling vinesar with cloves and mace added.

The following recipes are particularly adapted to such brine-salted fish as herring, alewives, mullet, lake herring (cisco), etc.:
32. Fried salt fish.- (Fish salted whole are preferred, thoush any salt tish may be prepared in the same way.) Wrap the whole fish in strons white pater. Brown paper or paper that has been waxed or printed upon shoubl not be used. Grease the paper with a little butter or hard to prevent stirking. l'ut the fish in a hot frying pan that has been greased and fry about 4 minntes. Turn the fish over once in the pan. If the fish is too large for paper and pan, it may be cut in two and the pieces wrapped separately. Serve hot in the paper. This
method of cooking herring, which is simple and easy to do, preserves all the fats, juices, and aroma of the tish.
33. Scalloped salt jishl-Take $\pm$ or 5 salt herrings or equivalent amount of other fish, divide down the back, remove all skin and bone, and cut into squares. Have ready a dozen good-sized potatoes, cold boiled. Slice them, and put in alternate layers of tish and potatoes, with butter and pepper between each bayer of fish. Begin and end with a layer of potatoes, and have a generous layer of fish. Cover with a custard made of 3 cups of milk and 3 well-beaten eggs. Last of all add half a cup of fine bread crumbs mixed with a little softened butter. Bake to miautes. Serve from same dish, with folded mapkin around the outside.
34. Salt-herriny pudding.-The herring or other fish are skinned and split and the backbone removed. The fish are then cut crosswise into strips about one-fourth inch wide. An earthenware cooking vessel is moistened with a little water inside. Cut boiled potatoes into disks about one-fourth inch thick. Put a layer of the sliced potatoes on the bottom of the cooking vessel, then follow with a layer of fish strips; thas alternating potatoes and fish until the ressel is filled to within about an inch of the top, potatoes forming the hast layer. Two or more eags are beaten and added to about one-half pint of rich milk. This cream is poured orer the contents of the cooking ressel. Bake in an oven till the egg is coagulated and a slight brownish crust is formed on the top. Only a few minutes are required for this cooking. serve hot.
35. Sult-fish sulad.-Take 4 herrings or equivalent amount of other fish, 9 or 10 good-sized potatoes, equal quantity red beets, 1 onion or more, one-half pound piece lean pork or veal. Skin and sphit the fish; boil potatoes; boil beets and pickle in strong vinegar overnight; boil the meat. Cut all materials into small cabes one-eighth to obte-fourth inch, the onions being eut finer. Mix all thoroughly. Iress into form and dump on phatter. Decorate with hard eggs amd garnish. Iressing can be made by mixing pickle from beets with equal proportion of cream. serve cold.
36. Nalt-fish salad.-hemove the skin and bones from 2 salt herring or equivalent amount of other fish and mince fine; cut into cubes 1 cold boiled beet, 1 onion, 1 large pickle, $\because$ hard-boiled eggs, and 2 cold boiled potatoes; add one-half (up) of cohl meat (veal preferred) ; cut fine; mix all well with the fish; moisten with same made of vinegir, mustard, and pepler; let stand overnight in a porcelain dish; stir once more thoroughly, and see that all is juicy. Then gamish in concentric rings with chopped parsley, whites of eggs, yellow of eggs, and beets.
37. Salt-fish salad.-Remove the skin and batckbone of 4 salt herring or equivalent amount of other fish and cut them into neat square pieces. Slice $\because \sim$ quarts of boiled potathes. While hot, put them into a dish and pour orer them weak vinegar enough to moisten them. When cold, add the herring and the yotks of 4 hard-boiled etgs chopped up. If roe herring have been used. soak the roe in vinegar for a few minutes and strew the egs orer the salad. This is true herring salad, but a French dressing may he added if desired.
38. Hock cotiar-Two or three herring, or equivalent amomet of other fish, are cleaned and laid in lukewam milk for $\overline{5}$ hours. skin and bone them, chop bery fine, and mix with tinely chopped onions and the juice of a lemon. Sorve with buttered bread.

## SMOKED FISH.

The following recipes may be used for carp, catfish, fimnan haddie (haddock). hake, pollack, lake trout, salmon, grayfish, shark, etc., and, with some reduction in the quantity of fats, for halibut, sablefish. sturgeon, and eels.

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 (6) brown law (mams.

 serve with wreen peas.





 mal waterotess or parsles.

 moiler, atmy thast for a few mimotes expmend to a dear fire. Have ready
 Irops of lemon juice on eath stice add a tiny hit of hatter: and serve at once.
 O minutes : lay in cold water for the same lensth of time: wipe dra: and roil wer a clear fire Ahd $\because$ tablequemfors of butter while hot: seasom with cayeme and the juive of half a lemon: pile upon a hot pate. and serw with dry tomet.
 sufliciently treshened. Broil and sorme with haked patatoes. if the hatibut is mot sulticimaty fat, it may he basted with butter.
46. smoned-fish cakes.- Mtix an equall quantity of parboiled thaked smokend fish and mashed potatoes. Season with salt and pepper, ald a beaten exs. mold into rakes. aml fry.
47. smokel-fish ramkins.-Cream tugether 2 tahespoonfuls of fiomr. 1 of mfter, calyeme perper, and : little salt. Work into this 1 cup of aream :mal I of milk. Put on the tire, amd when thomshly heated add 2 cups of smoked (ish that has been hoken into thakes. Butter ramekins and fill with ereamen ish. Set in a ban of hot water and bake for half am hour.
48. Comupe of smoked fish. - Cut 6 slices one-quarter of an incls thick from at tale loaf of bread then cut each into 2-inch square pieces. Toast them th a nice olden brown and lichtls butter. Corer them with yery thin slices of smoken ish nicely trimmed. Deconate with a little parsley, f quarters of lemon, and a ard-boiled egs finely chopped. Sprimkle this over them and serve.
 passed throuxh a chaprer, 2 oumers of hatter, t teaspounfuls cream, ripe olives. Heat the buttor until bot; mix with the tish. Arla the cream. mix well, and spreat on toast cut in fancy shapes. lammish with olives.

The following recipes may be used for smoked fish, such as bowfin, mooneye, shal, lake herring (eisco), whitefish, slack-salted herring, alewives (river herring'), mullet, fiman haddie (haddock), pollock, hake, and whiting. No soaking required:
50. Fromeh kipperad hervin! omblel.-Flake the fish and then toss in a little
 1anh. prow in the mixture am? cook wer the fire evenly. When the bottom of
 fond one half over the other half amb slip the omelet ont on a bot dish. Serve withont lose of time.
 egg, amel obe-half (mp of milk or cream. Beat (acs, add remainder of ineredients. and form into patties. Fut equal parts of butter and lame in skillet amol fry to a golden brown. Serve on bot platter samisheal with parsley.
52. Boilod smoked fisth. - Boil sutieient fimam hamlie. or other fish similarly cared, for the number of persoms to hes sorved. When dome remose the skin atme bones. Alake sature by heation milk thickened with a litfle flour, to which add butter : salt amd pelprer to taste. SHerve wilh baked potatoses on the siole.
 fuls of flour, abul 1 fill) smoked fish (ent into small pieees. boil milk abol thour. then add tish. Serve hot on toast.
54. Broiled smoked fish. Whace fish on gridiron, flesh side down, orer glewing fire. When a rish brown, remove from fire and serve with melted butter.
 thitenesses of patper (proferably the brown paper used by bothors), place in a [am. amd put in a hot oren for one-half homr. The fish is thas thorouglay heaterl withont heins dried ont. Before serving remove paper wrapping amb the skin of the fish.
56. P'amurd smotid fish.-Place fish, opened and spread out, in bam. Dot with gemerons lmops of butter, and abla a little milk. I'late in oven matil thoronghly heated. This makes a delicions breakfast dish.

 to which whipged reatm has been adhed.

The following recipes may be used for hard-salted smoked herming amb alenvives. which require soaking:
ras. Friod smoked hrointh-Clean the tish, and if they are dry in meat pome some warm water arer thom; when dry artin, fry in ail or hoter. serve with potateres ar parsmips.
 W:am milk: then wine dry and fry in hater or oil until the skin hursts. Serve with oil or butter anm toast.
(io. S゙motiad hrvin! " l" lomphin,-Ekin am! bome the fish, them somk half an heme in warm milk. Wipe wry amd dip in a sitmo of meltel buther, the beatem
 skillet. Sorve with tosstan breat on which some casenne pepper is sprinkled.
(;1. smotied herving al litulirmbr. - The fish is wall eleaned, washed in boiling Waters, dried. and inside ant ont dreatect with thour. Fry in oil, to which some chopled parstey is adted, and serve with mactarmi.
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[^0]:    ${ }^{4}$ By Il. F. Moore, Deputy (tommissloner. Lbucan of loishorien.

[^1]:    ${ }^{\text {a }}$ Collated and adapted from various sources by William C. Kendall, scientific assistant, and Rose M. McDonald, librarian, Bureau of Fisheries.

