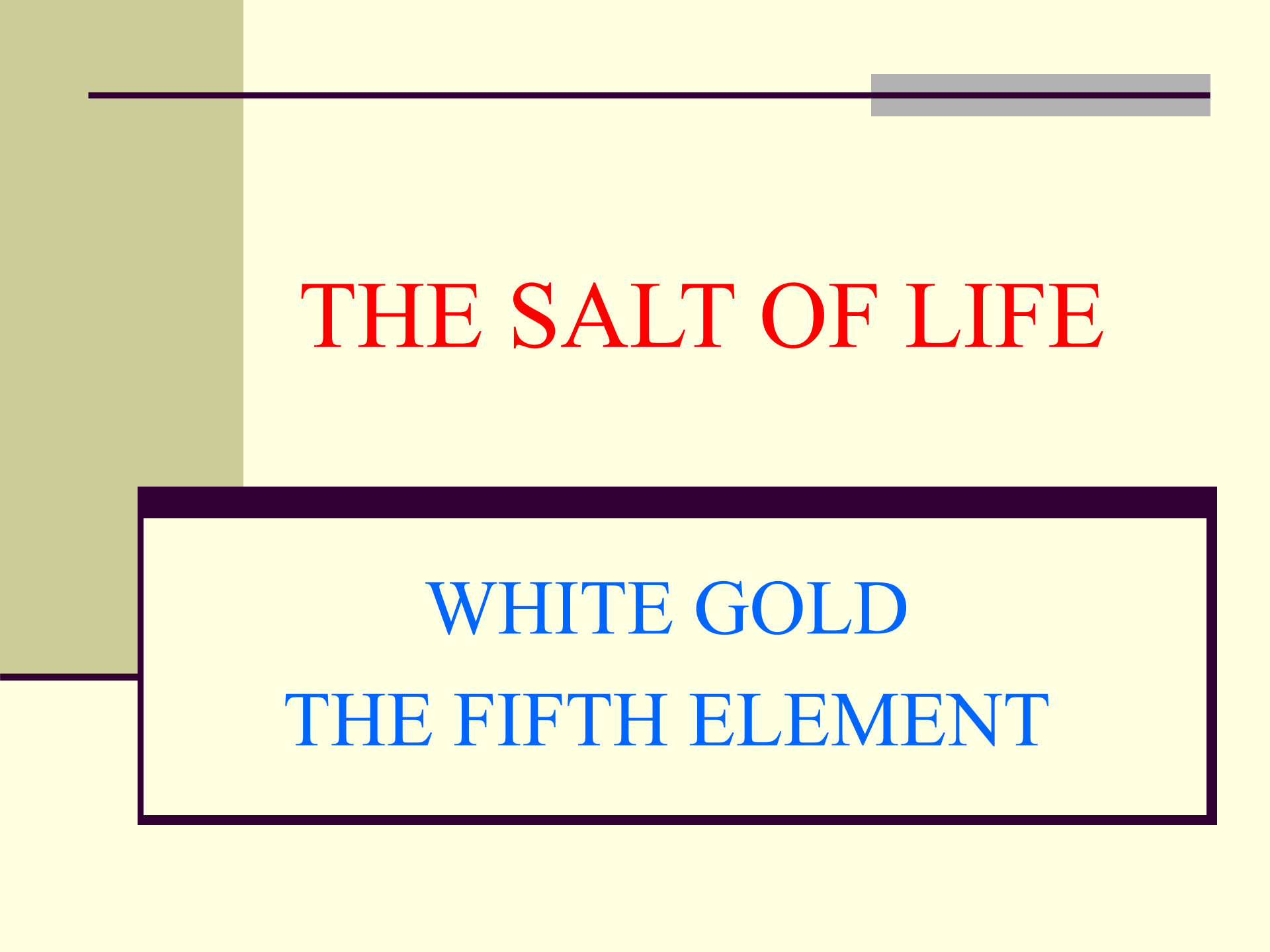




THE SALT OF LIFE

WHITE GOLD
THE FIFTH ELEMENT

WHERE DOES SALT COME FROM ?

- Sea water
- Salt lakes, ponds and marshes
- Dried salt lakes
- Salt mines

SEA WATER



FRANCE

LA POINTE DU RAZ

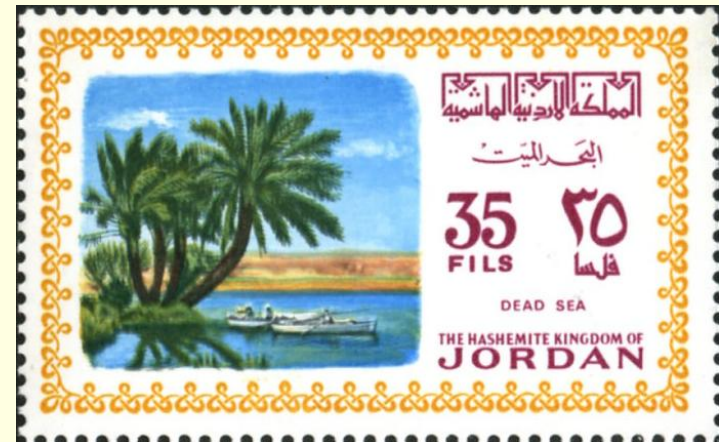
CANADA

THE BAY OF FUNDY



SEA WATER

- JORDAN
- THE DEAD SEA
- VERY HIGH SALT CONTENT



SALT PONDS

ST.VINCENT



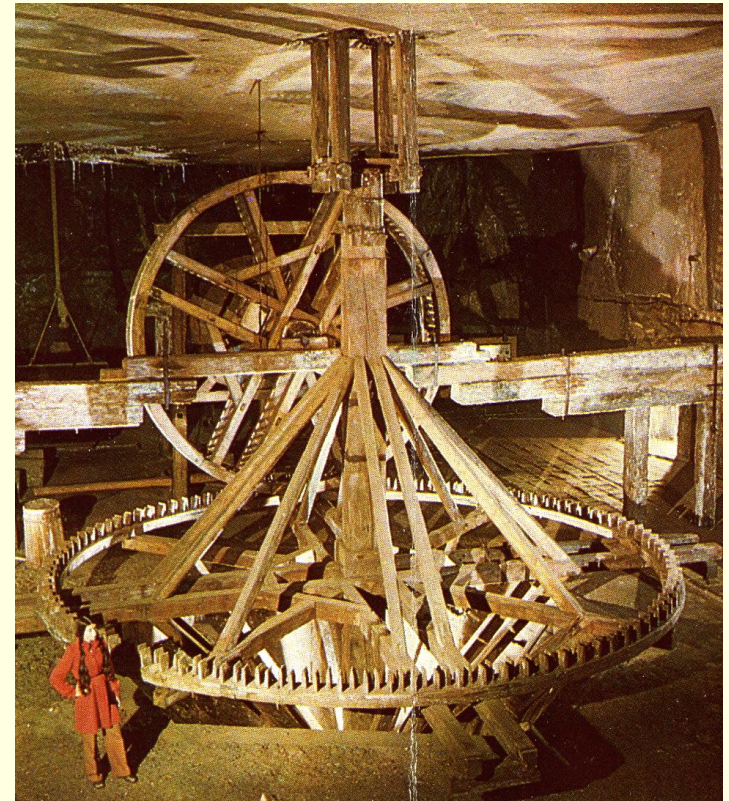
PHILIPPINE ISLANDS

CYPRUS



SALT MINES

- **POLAND**
- WIELICZKA
- ONE OF THE OLDEST SALT MINE



WHAT IS SALT ?

- The chemical name is SODIUM CHLORIDE
- To the geologist salt is HALITE
- To the cook it is the COMMON SALT

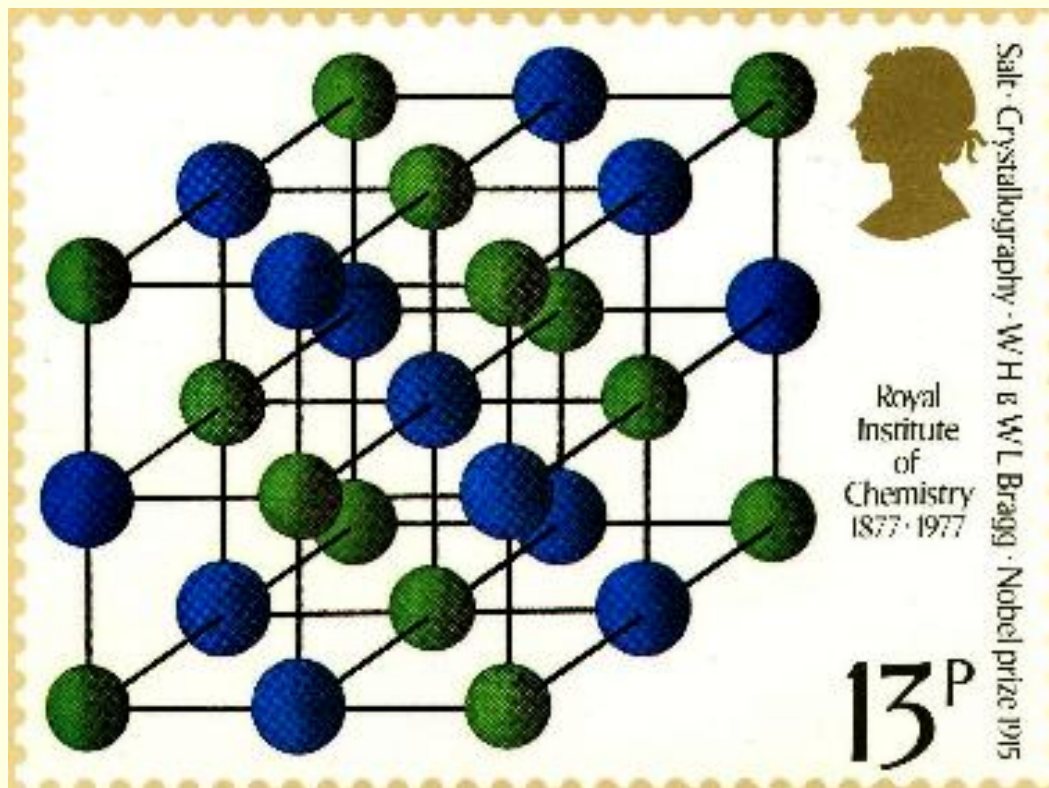
SODIUM CHLORIDE, NaCl

- MEXICO
- MINERAL RESOURCES



STRUCTURE OF SALT

- **GREAT BRITAIN**
- Sodium ions are blue
- Chloride ions are green



STRUCTURE OF SALT

■ ISLE OF MAN



BONAIRE

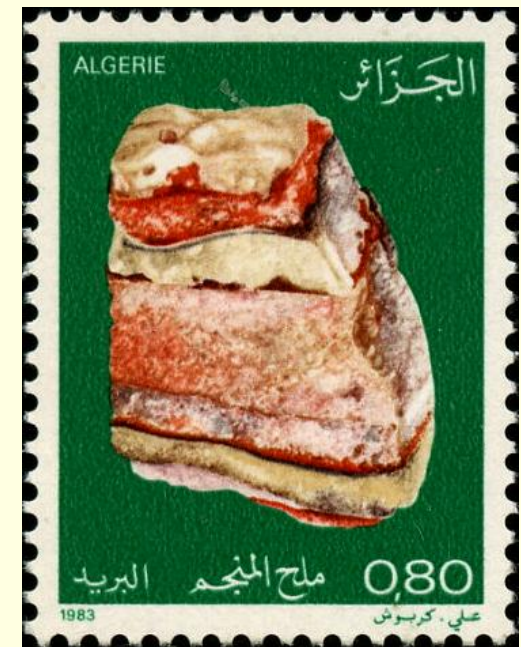


HALITE



HALITE

- EQUATORIAL GUINEA
- EAST GERMANY
- POLAND
- ALGERIA



HALITE

■ SHAPE OF SALT CRYSTALS

A XV-a BIENALĂ DE FILATELIE POLARĂ
cu secțiune de mineralogie, speologie și geologie
TURDA, 16-26 iulie 2004

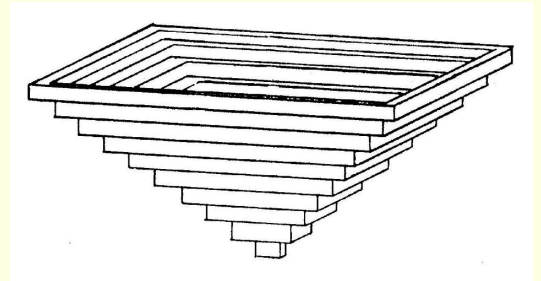


Dim. colecția Dan MERKA



Destinatar

Codul



SALT CRYSTALS

- JORDAN
- MINERALS FROM THE DEAD SEA:
 - SODIUM CHLORIDE
 - POTASSIUM CHLORIDE
 - MAGNESIUM CHLORIDE



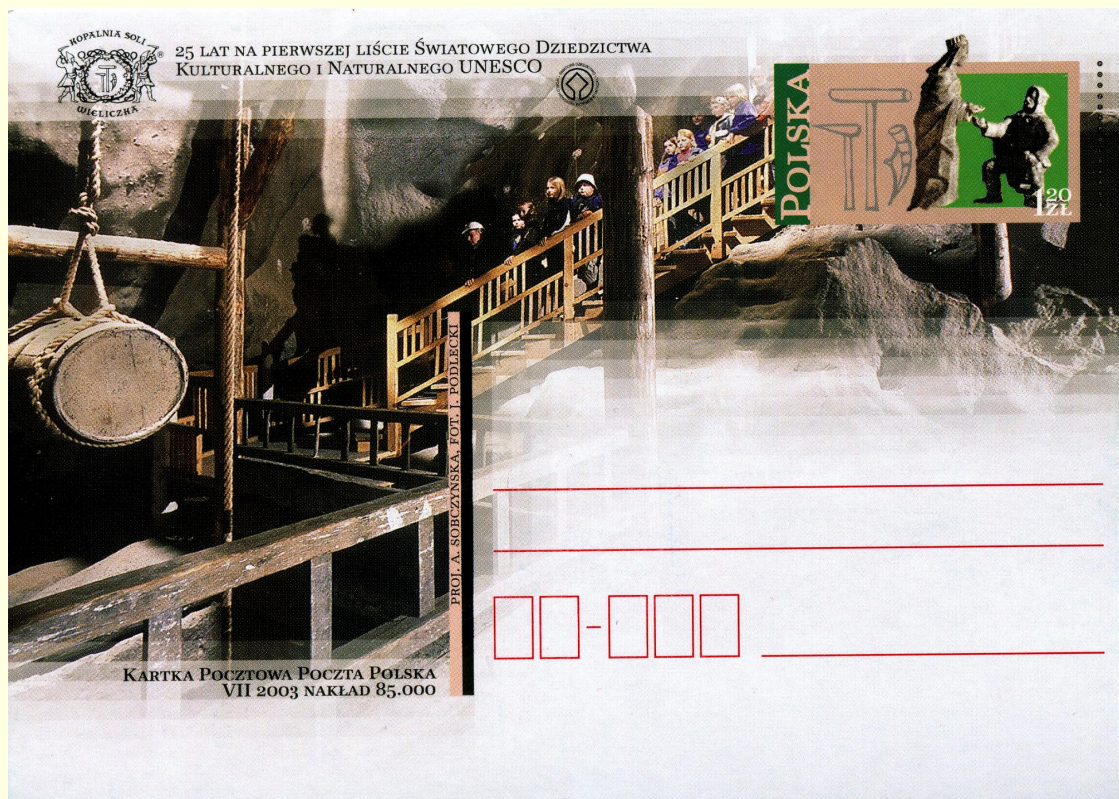
SALT MINES

- **POLAND**
- WIELICZKA SALT MINE NEAR KRAKOW
- UNESCO WORLD HERITAGE CENTER



SALT MINES

- **POLAND**
- WIELICZKA SALT MINE
- UNDERGROUND POST OFFICE



SALT MINES

- **SWITZERLAND**
- BEX, VISIT THE SALT MINES



SALT MINES

- **POLAND**
- WAPNO



SALT MINES

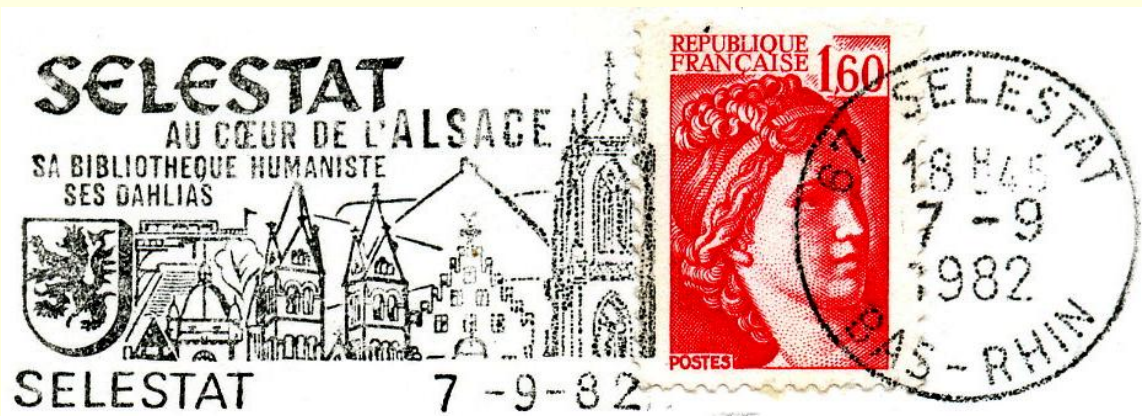
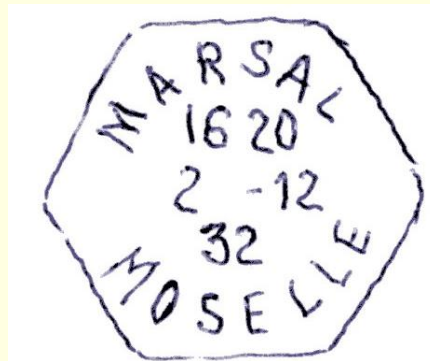
- AUSTRIA
- SALZBERG



SALT MINES

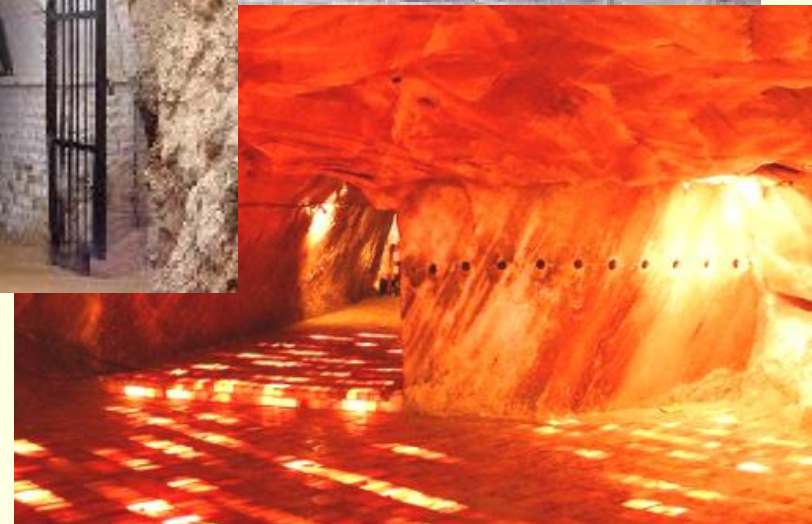
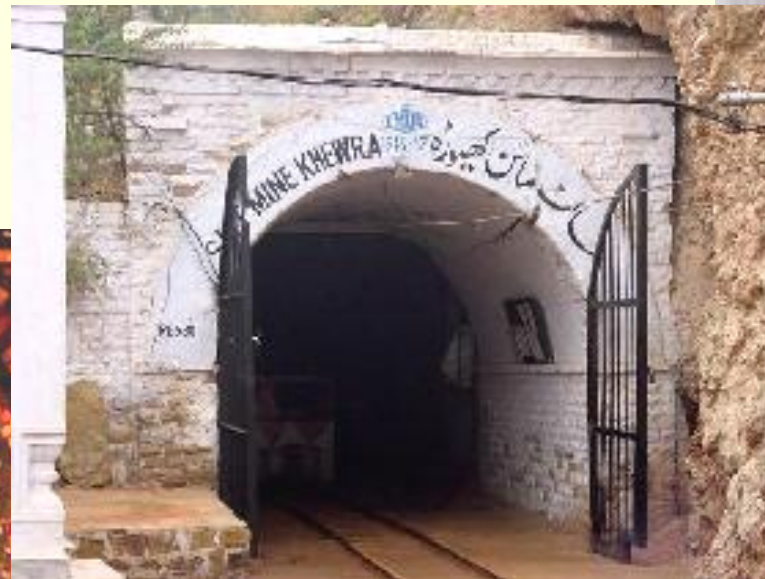
FRANCE

ALSACE, JURA



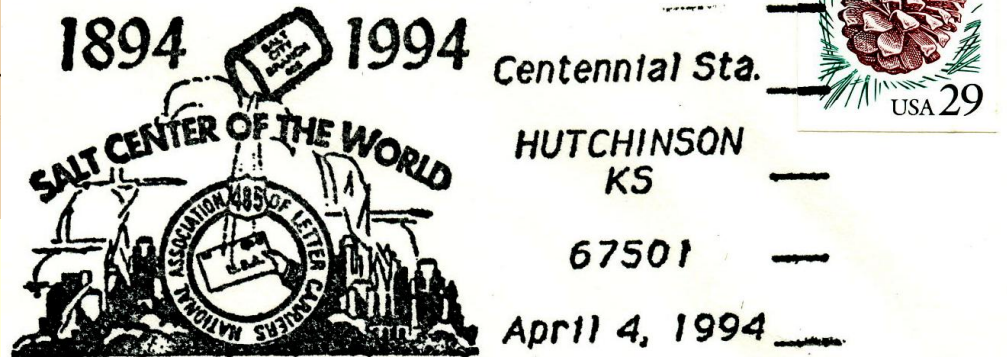
SALT MINES

- **PAKISTAN**
- **KHEWRA SALT MINE**



SALT MINES

■ USA

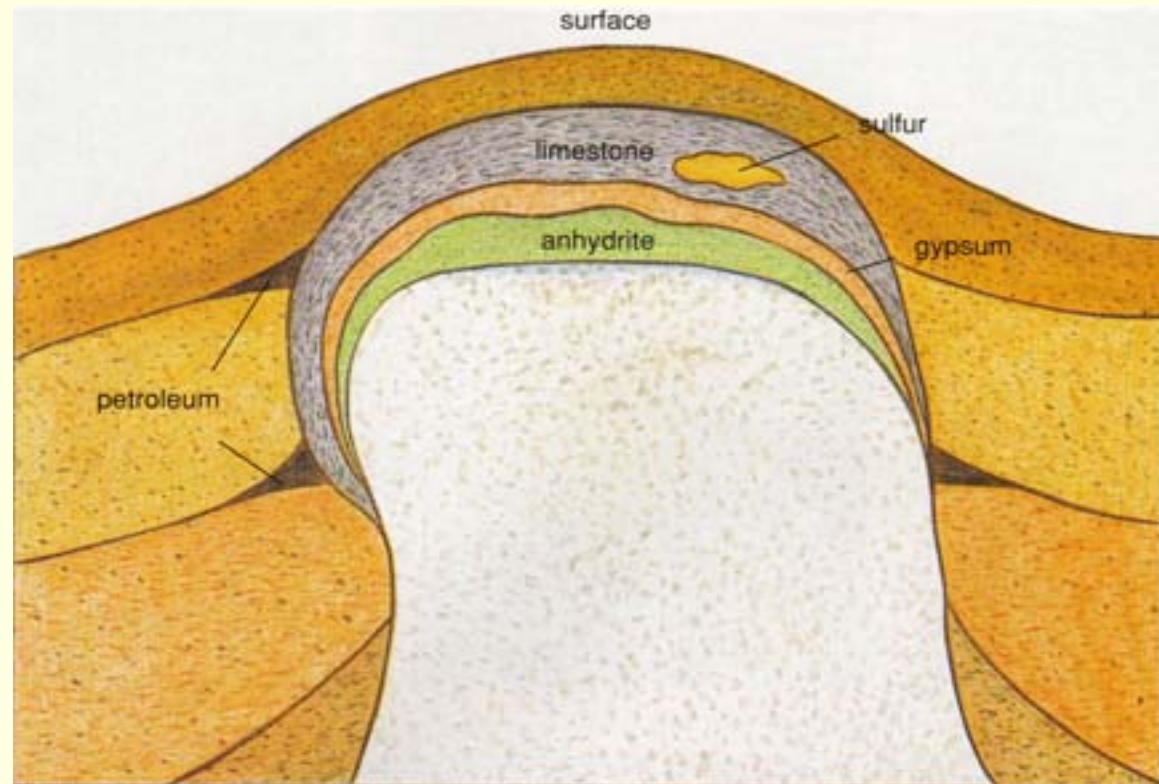


SALT DOMES - BRINING

USA

AVERY ISLAND, LA

WEEKES ISLAND, TX



BRINING

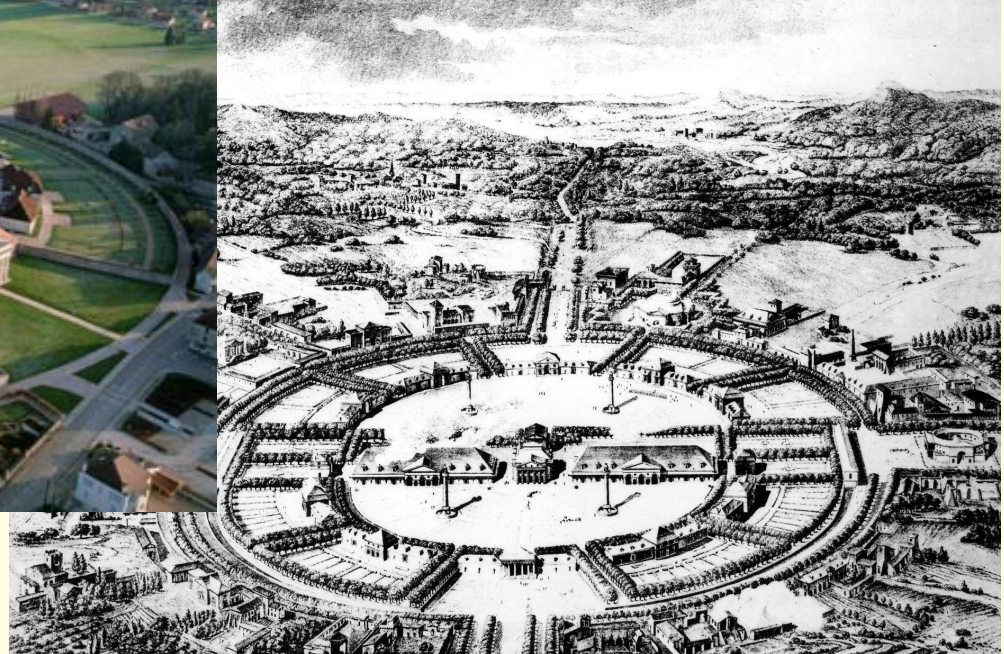
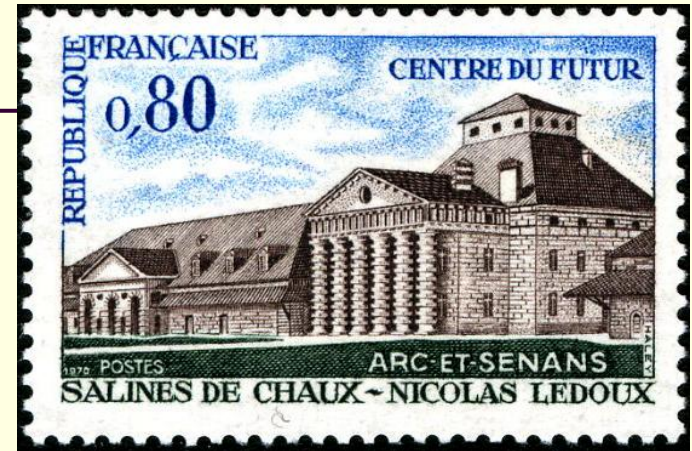
- CHINA
- TSE LIU CHING



CHENGDU

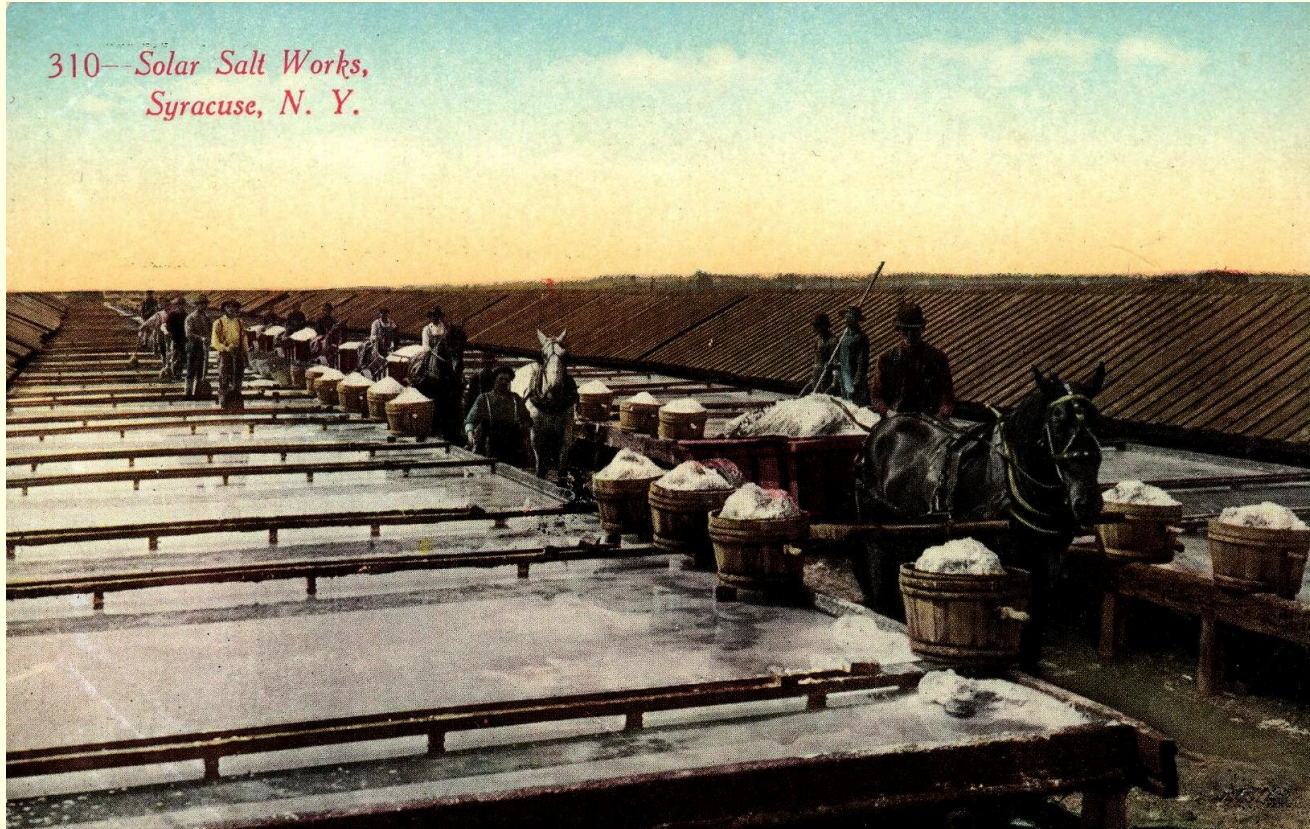
BRINING

- FRANCE
- SALINES DE CHAUX



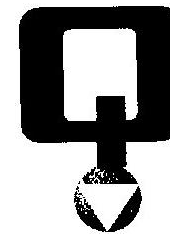
SALT WORKS

- **USA**
- SYRACUSE, SOLAR SALT WORKS



SALT WORKS

- QUÉBEC
- MINE SELEINE, ILES DE LA MADELEINE



Case postal 60
Leslie, Grosse-Ile
Iles-de-la-Madeleine, QC
GOB 1MO

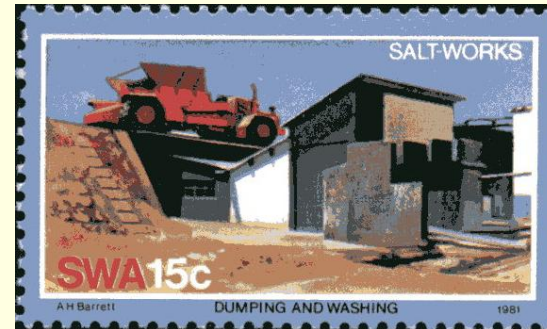
SOQUEM - SELEINE

LES MINES SELEINE INC.
C.P. 60
LESLIE, GROSSE ISLE
ILES DE LA MADELEINE
P.Q. GOB 1MO



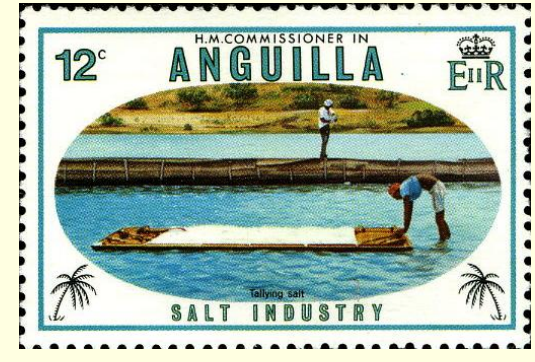
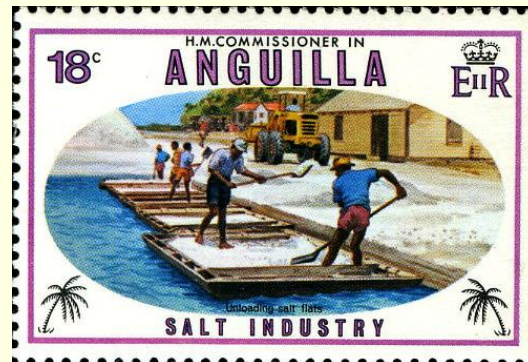
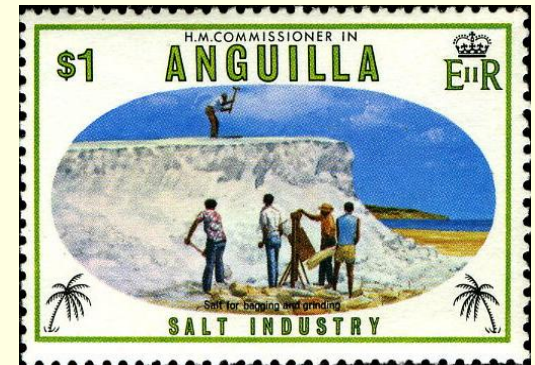
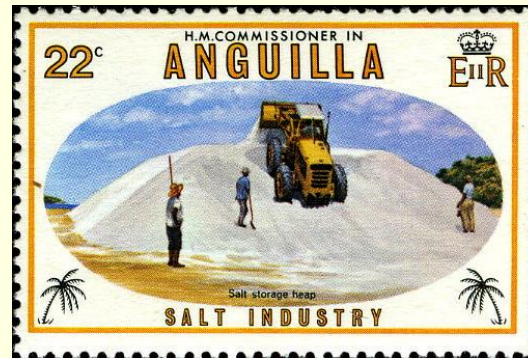
SALT WORKS

- **SOUTH-WEST AFRICA**
- SALT INDUSTRY AT WALVIS BAY



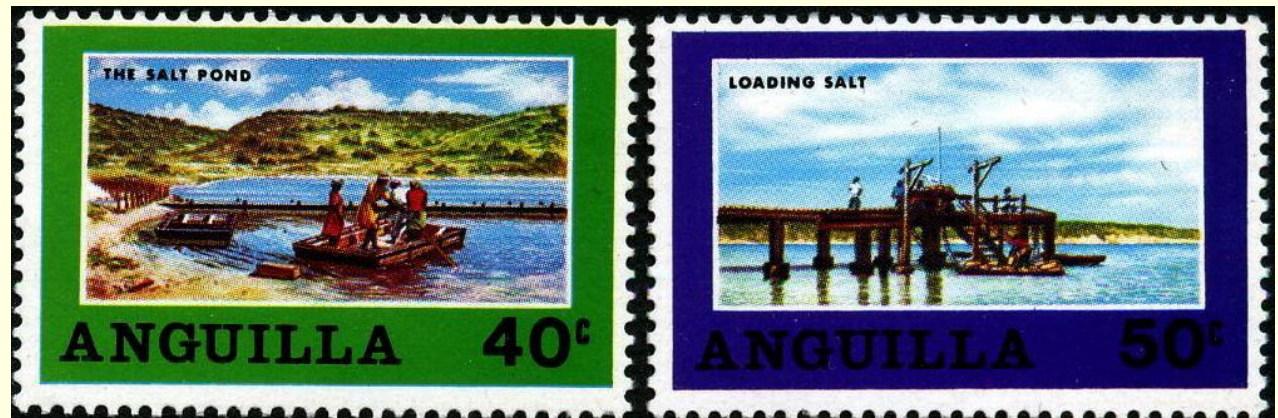
EVAPORATION OF SEA WATER

- **ANGUILLA**
- **SALT PROCESSING**



EVAPORATION OF SEA WATER

■ ANGUILLA



EVAPORATION OF SEA WATER

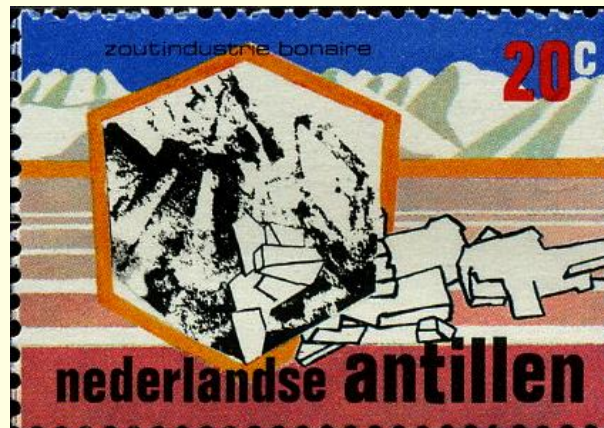
- **BAHAMAS**
- SALT PRODUCTION



EVAPORATION OF SEA WATER

DUTCH INDIES

SALT INDUSTRY, BONAIRE



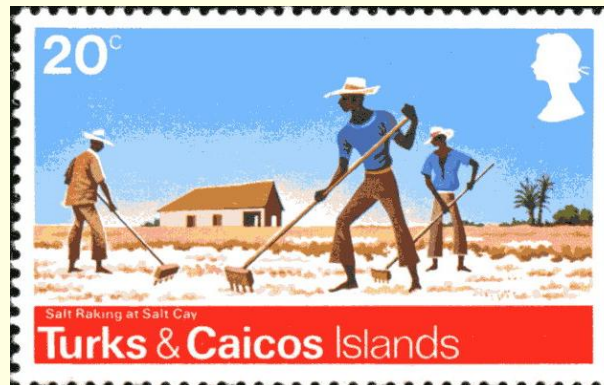
EVAPORATION OF SEA WATER

■ TURKS & CAICOS ISLANDS



EVAPORATION OF SEA WATER

- **TURKS AND CAICOS ISLANDS**
- **SALT PRODUCTION**



EVAPORATION OF SEA WATER

- **BRITISH VIRGIN ISLAND**
- COLLECTING SALT



EVAPORATION OF SEA WATER

- **USA**
- **SAN FRANCISCO BAY, CALIFORNIA**



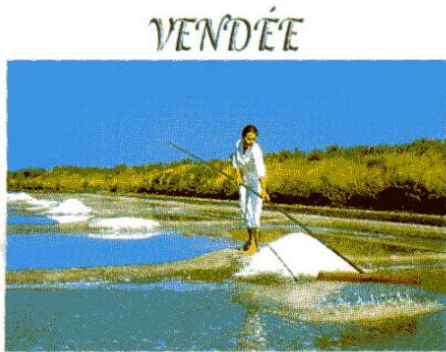
EVAPORATION OF SEA WATER

- FRANCE
- MEDITERRANEAN



EVAPORATION OF SEA WATER

- **FRANCE**
- NOIRMOUTIER, ATLANTIC COAST



Les Marais Salants - île de Noirmoutier

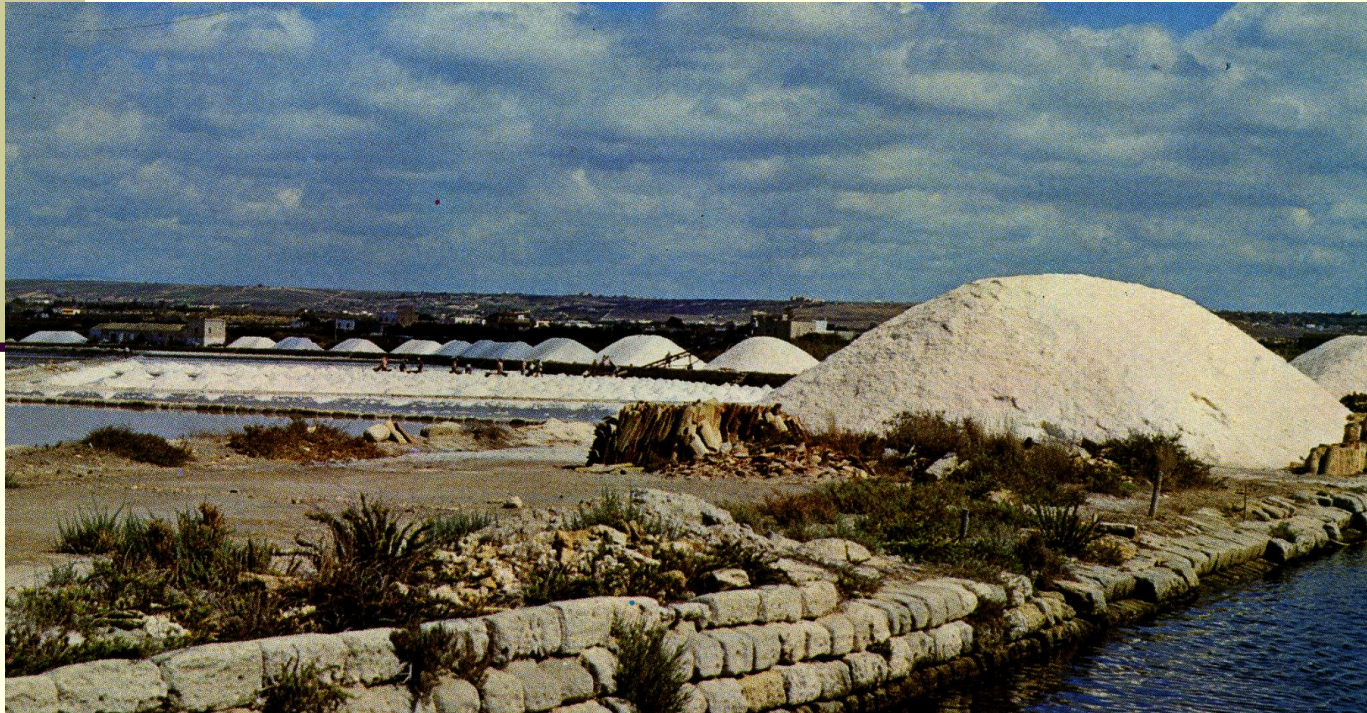


France : LETTRE
Internationale



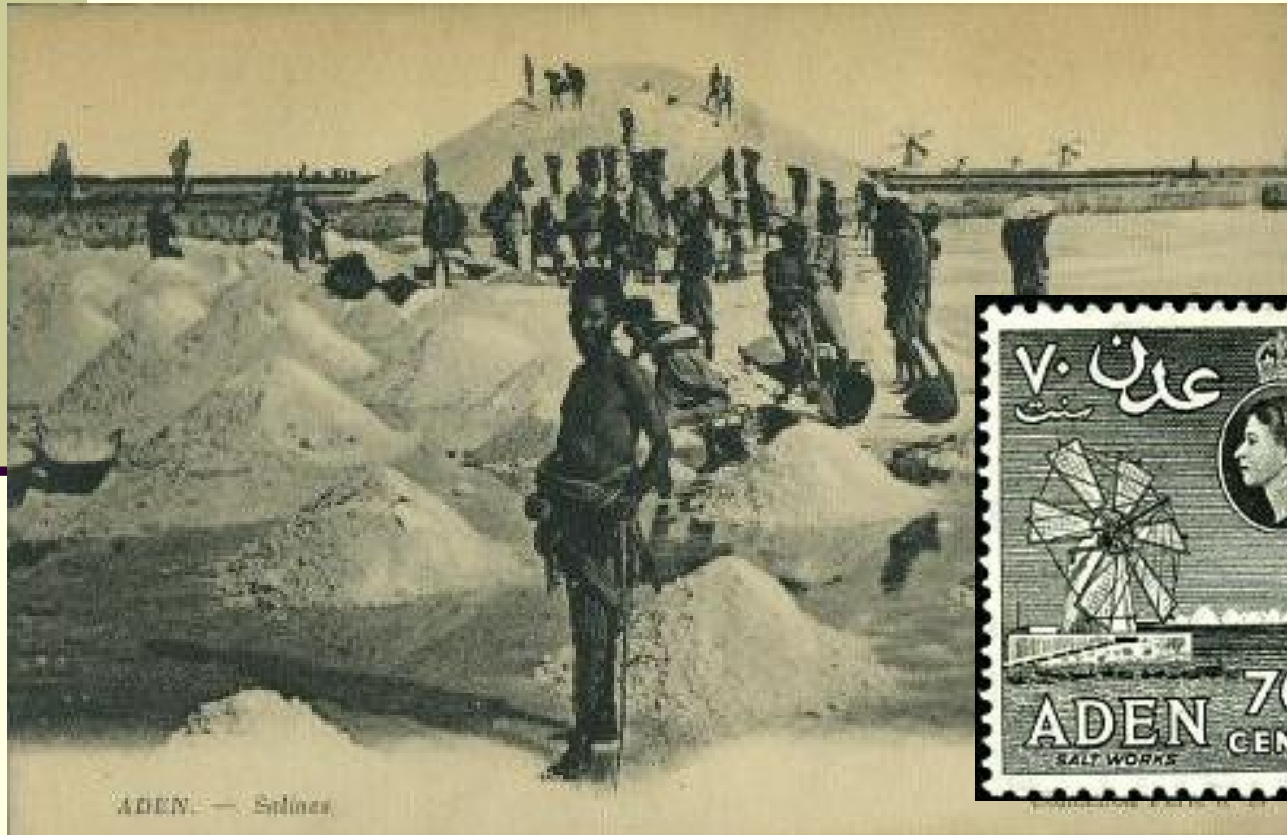
EVAPORATION OF SEA WATER

- ITALY
- SALT WORKS AT MOZIA



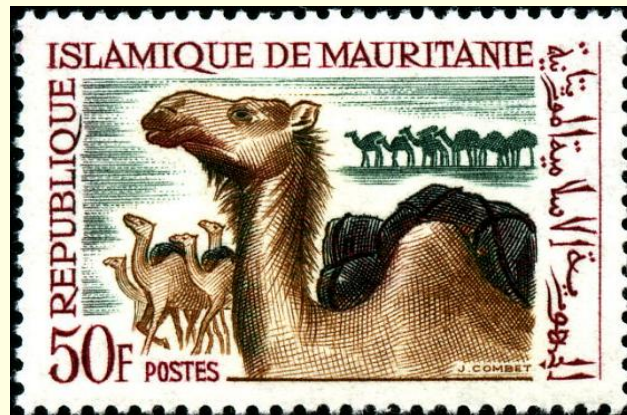
WINDMILLS

- ADEN
- BRAZIL
- TURKS AND CAICOS



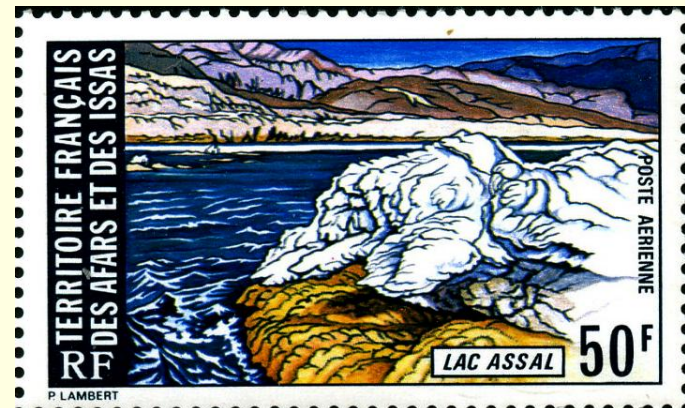
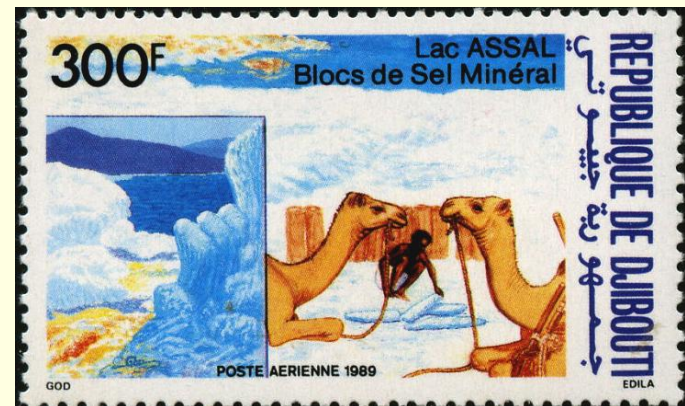
DRIED SALT LAKES

- SAHARA
- SALT CARAVAN
- SALT “LOAVES”



DRIED SALT LAKES

- **DJIBOUTI – AFARS & ISSAS**
- **LAKE ASSAL**



DRIED SALT LAKES

- **USA**

- SALT MOUNDS NEAR
GREAT SALT LAKE, UTAH



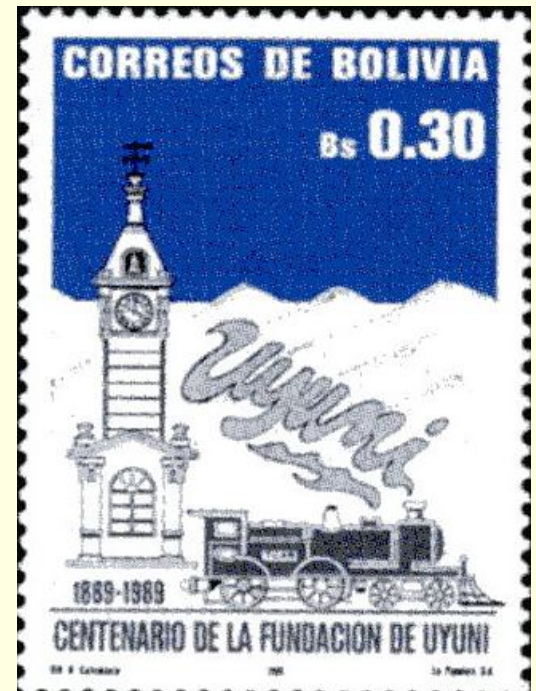
DRIED SALT LAKES

- **CHILE**
- ATACAMA DESERT



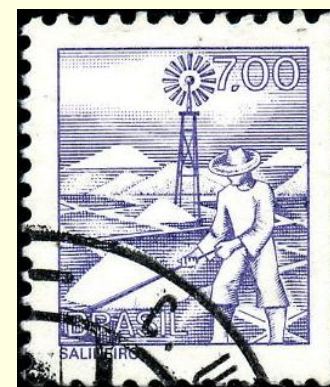
DRIED SALT LAKES

- **BOLIVIA**
- SALAR DE UYUNI



SALT WORKERS

- GERMANY
- FRANCE
- KOREA
- BRAZIL



USES OF SALT

SEASONING

SALT-CELLAR BY BENVENUTO CELLINI



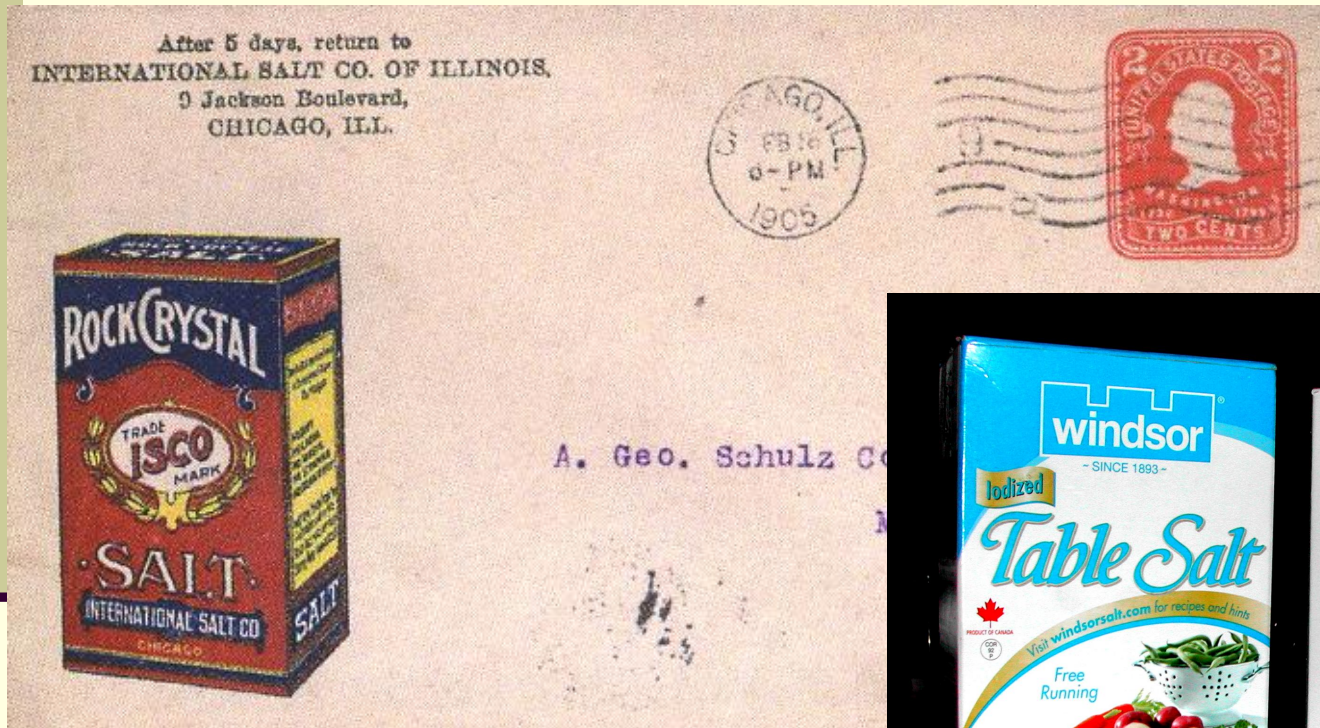
FRANÇOIS I, KING OF FRANCE



ARCHDUKE FERDINAND OF AUSTRIA

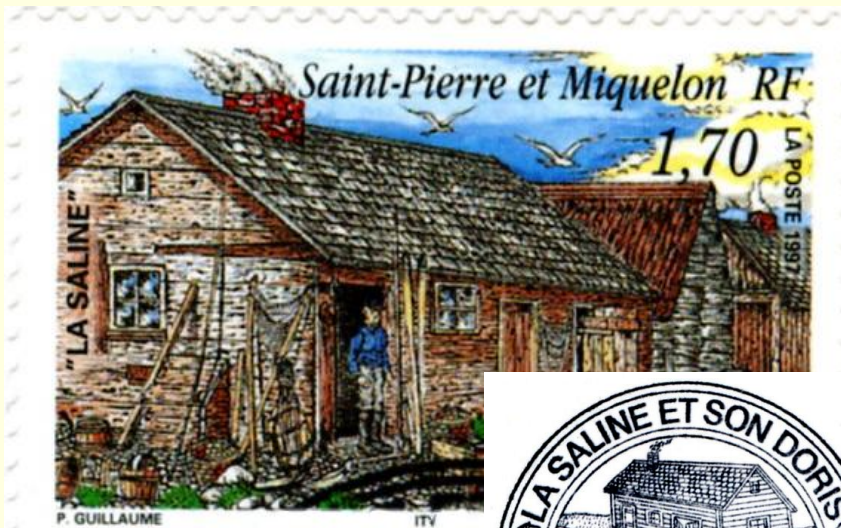
USES OF SALT

SALT FOR EVERYDAY USE



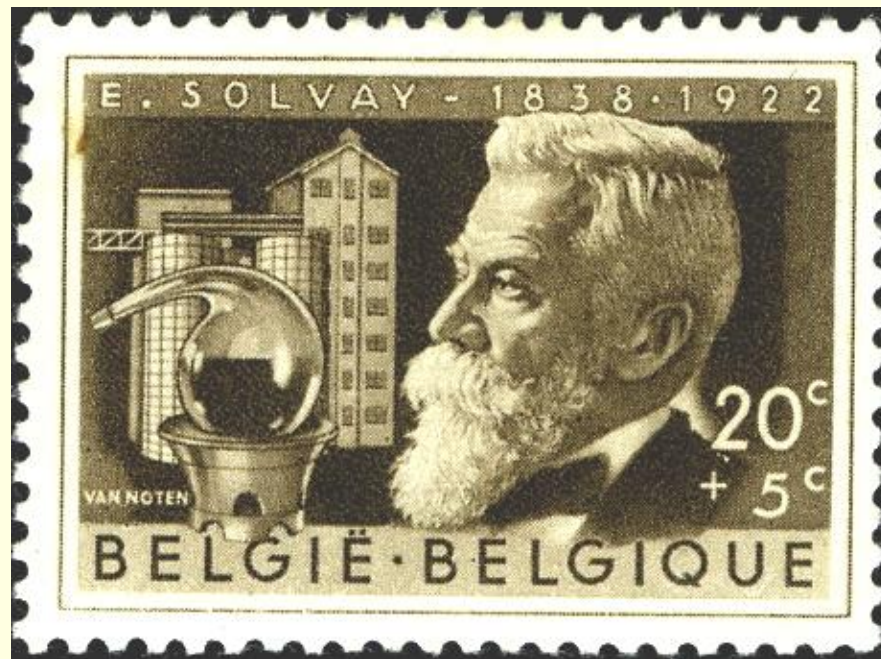
USES OF SALT

- **SALTING COD**
- SAINT-PIERRE-ET-MIQUELON
- NEWFOUNDLAND



USES OF SALT

- **CHEMICAL INDUSTRY**
- THE SOLVAY PROCESS, BELGIUM
- MAKING OF SODA and BLEACH (JAVEX)



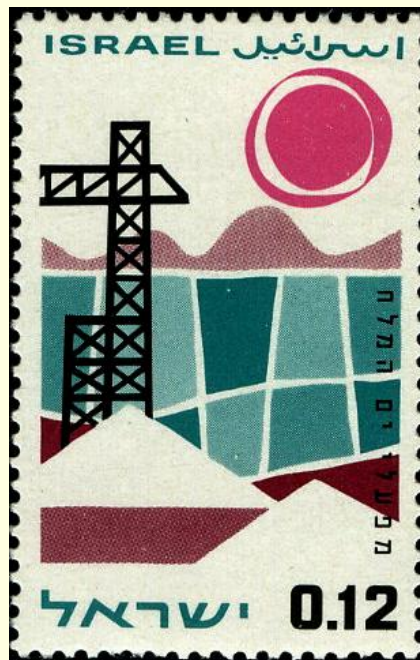
USES OF SALT

- **CHEMICAL INDUSTRY**
- MIDLAND, MI, USA



USES OF SALT

- **CHEMICAL INDUSTRY**
- DEAD SEA WORKS, ISRAEL



BUILDING MATERIAL ?

- **USA**
- THE SALT PALACE AT GRAND SALINE, TEXAS



BUILDING MATERIAL ?

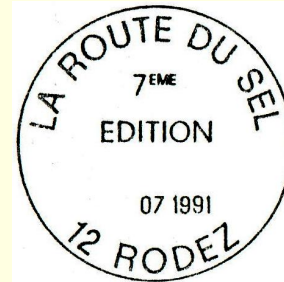
- **BOLIVIA**
- SALT HOTEL IN COLCHANI



FAIRS

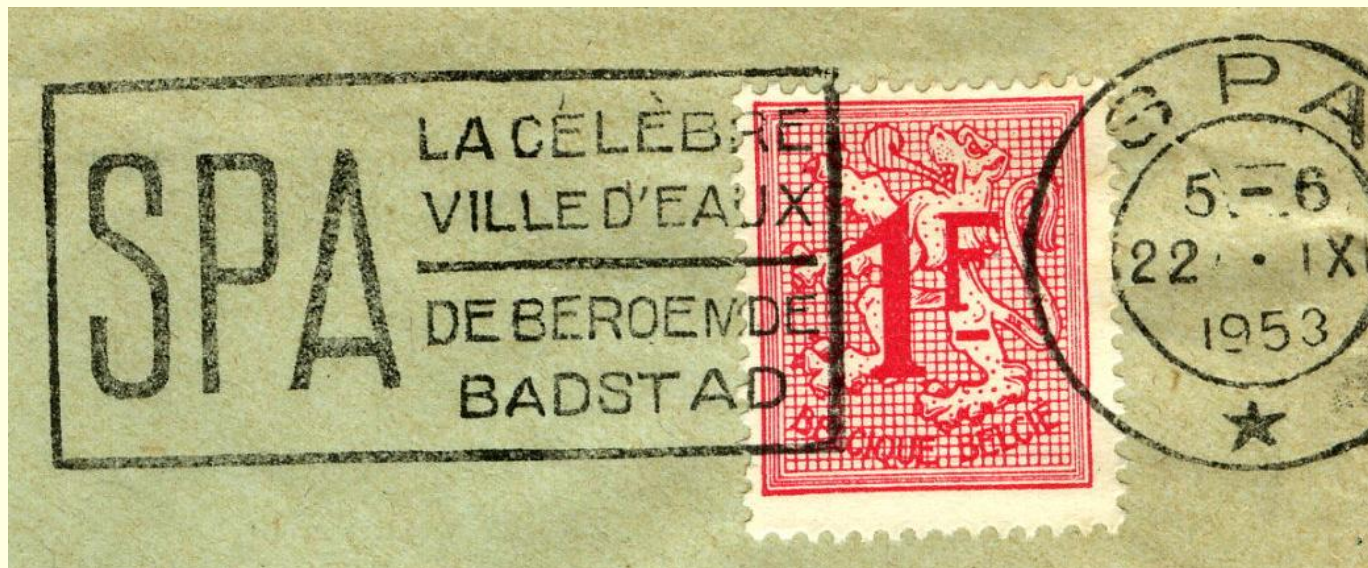


SALT FORK FESTIVAL
2ND WEEKEND-AUGUST
CAMBRIDGE, OH



SALT BATHS - SPAS

- **BELGIUM**
- SPA



SALT BATHS - SPAS

- ITALY
- SALSOMAGGIORE



SALT BATHS - SPAS

ISRAEL

DEAD SEA

■ **TIBERIAS**

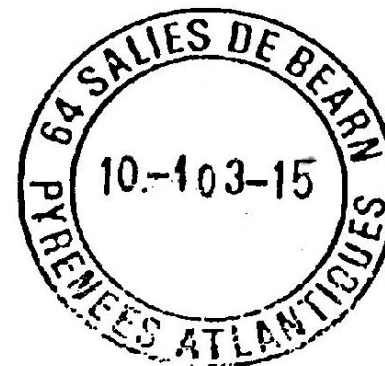


SALT BATHS - SPAS

- **FRANCE**
- EAUBONNE
- SOULTZ
- SALIES DE BÉARN
- LONS LE SAUNIER



SALIES DE BEARN



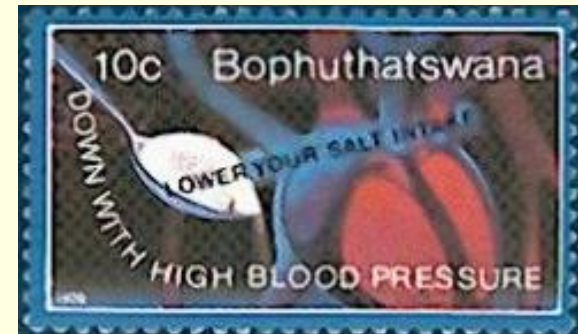
SALT BATHS - SPAS

- **GREAT BRITAIN**
- ROMAN BATHS AT BATH



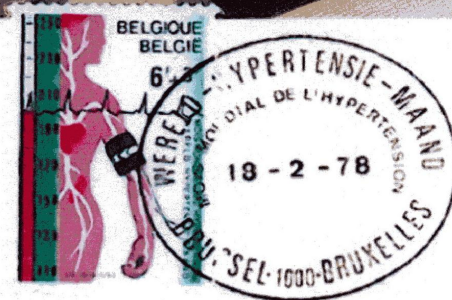
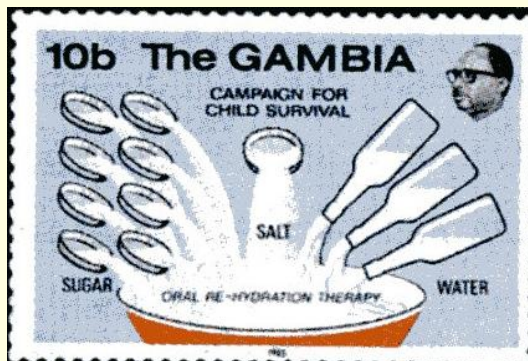
SALT AND HEALTH

- **HYPERTENSION**
- HIGH BLOOD PRESSURE,
TOO MUCH SALT



SALT AND HEALTH

■ HYPERTENSION



MONOPOLIES AND TAXES

- **EGYPT**
- SALT DEPARTMENT EXCISE STAMPS



MONOPOLIES AND TAXES

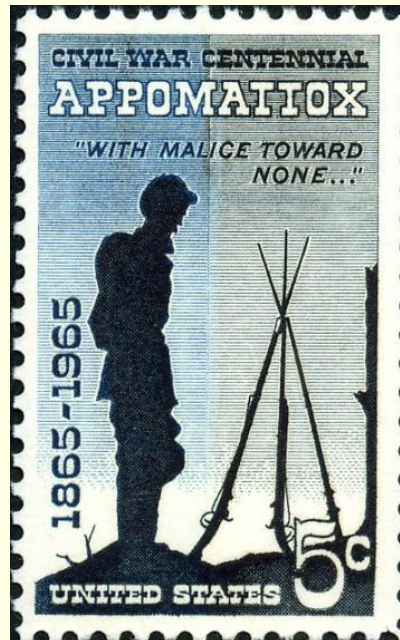
■ CHINA

- WU DI, EMPEROR ZHANG QIAN'S SECOND IN COMMAND, SET UP A SALT MONOPOLY IN CHINA IN 100 BC



MONOPOLIES AND TAXES

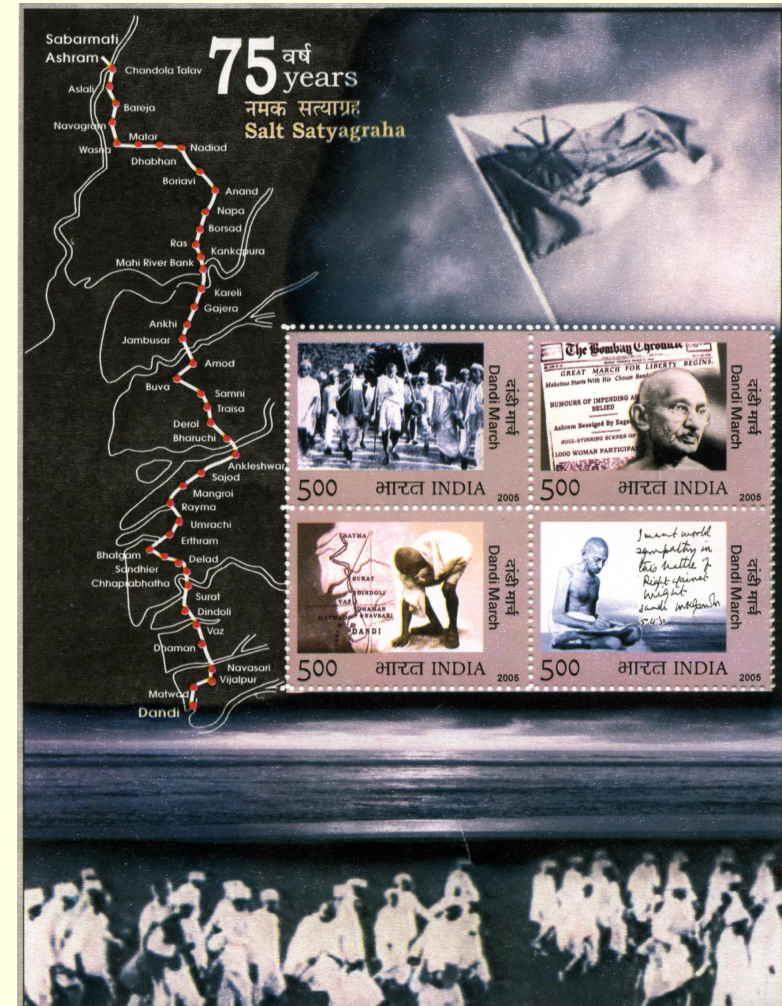
- **USA**
- CIVIL WAR BETWEEN THE NORTH (SHERMAN, GRANT, SHERIDAN) AND THE SOUTH (LEE AND JACKSON).



MONOPOLIES AND TAXES

INDIA

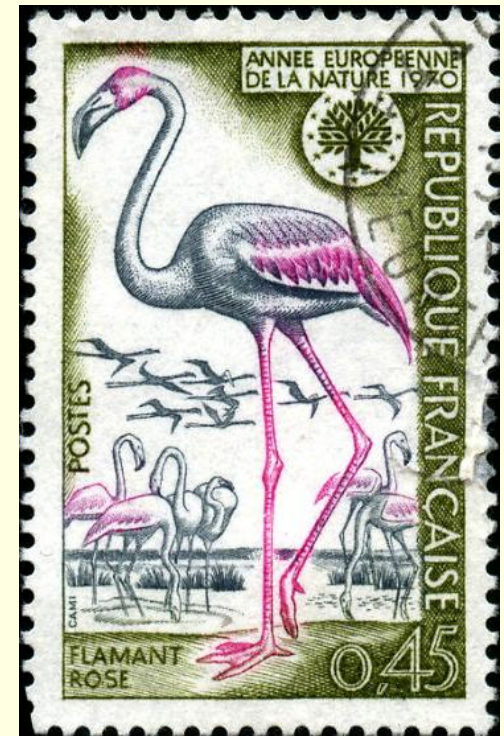
IN 1930, GANDHI LED A PEACEFUL PROTEST AGAINST THE SALT TAX, THE DANDI MARCH



FAUNA

FLAMINGOS

THEY ARE FOUND NEAR SALT PONDS AND MARSHES.
CYPRUS, CHILE, FRANCE



FLORA

FRENCH POLYNESIA

HALOPHILIC FLOWERS

PURAU, NAUPATA, TAFANO



DESALINATION PLANTS

- MAURITANIA
- NOUAKCHOTT PLANT

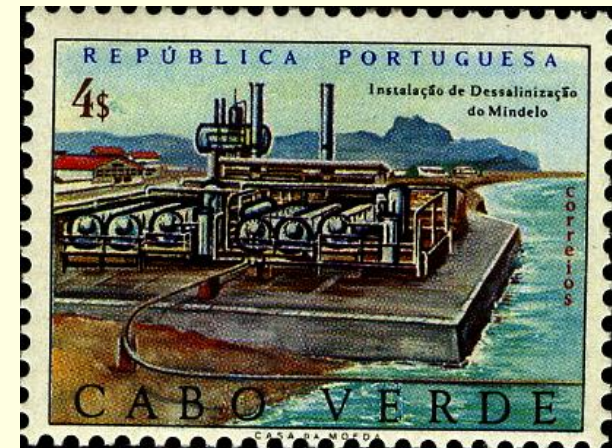


DESALINATION PLANTS

- FRESH WATER FROM SEA WATER



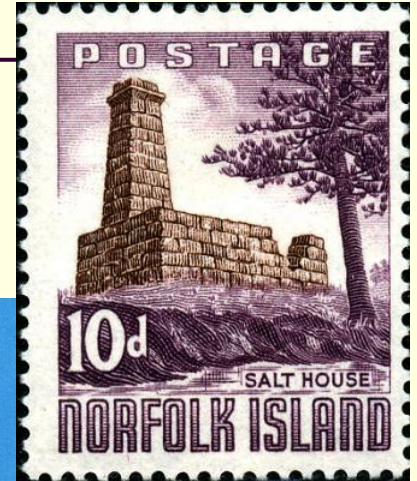
■ SAUDI ARABIA



CABO VERDE

DESALINATION PLANTS

- **NORFOLK ISLAND**
- **THE OLD SALT HOUSE**



Christmas
1979

**NORFOLK
ISLAND**

Emily Bay, Norfolk Island, by
the old Salt House.

TOPONYMY

Latin	sal	Italian	sale
English	salt	Spanish	sal
German	salz	Romanian	sare
French	sel	Dutch	zout
Russian	соль (sol)	Gaelic	salaan
Greek	ἅλας (halos)	Swedish	salt

UK: The **wich** ending identifies cities where salt was produced:

Droitwich, Nantwich, Northwich, Middlewich, ...

USA: The word **lick** describes a place where animals go to get salt:

Booneslick, Mayslick, Big Bone Lick, Buffalo Lick, ...

USA: In Louisiana and Texas, a salt dome is called **island**:

Avery Island, Jefferson Island, Weekes Island, ...

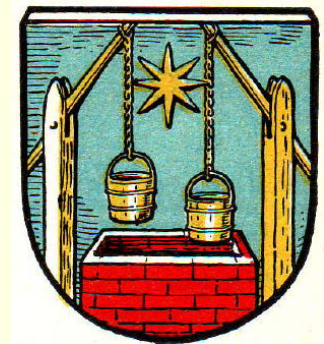
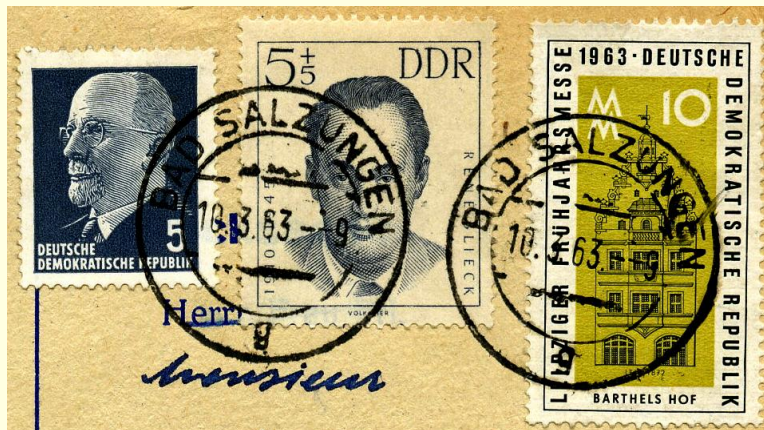
TOPONYMY

- AUSTRIA
- HALLEIN
- HALLSTATT
- SALZBACH
- SALZBERG
- SALZBURG
- SALZ KAMMERGUT



TOPONYMY

- GERMANY
- HALLE
- SALZBACH
- SALZGITTER BAD
- BAD SALZUNGEN
- BAD SALZUFLEN



TOPONYMY

- **CZECHOSLOVAKIA**
- KARLSBAD / KARLOVY VARY
- GIESSHUBL



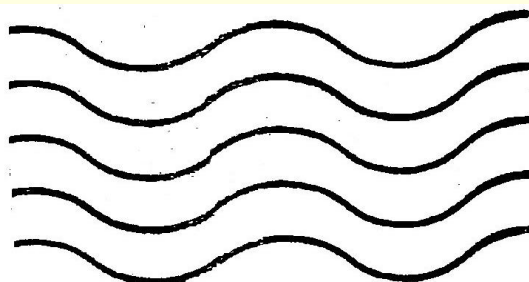
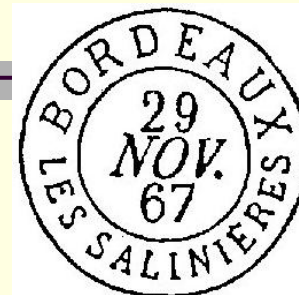
TOPONYMY

- FRANCE
- SALINS (JURA), PORT PAYÉ, 1809



TOPONYMY

- **FRANCE**
- SALIN DE GIRAUD
- AJACCIO SALINES
- SALINS LES BAINS
- CHÂTEAU SALINS
- SELESTAT
- LONS LE SAUNIER
- SALIES DE BÉARN



TOPONYMY



- **USA**
- SALTUM, DK
- SALIX, IOWA
- SALINAS, CA, KS, UT, OK
- GRAND SALINE, TX
- SALT LAKE CITY, UT
- SALTAIR, UT
- SALTVILLE, VA
- SALT ROCK, WV



SALT FORK FESTIVAL
2ND WEEKEND-AUGUST
CAMBRIDGE, OH

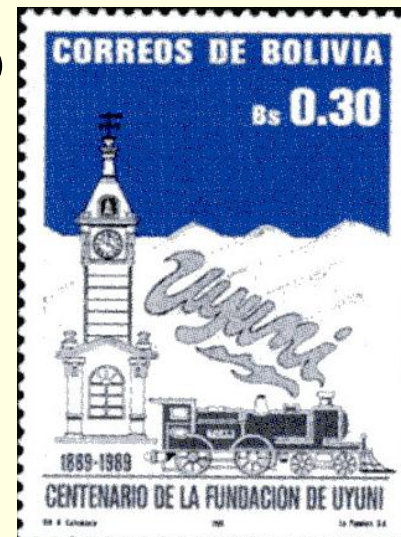
TOPONYMY

- **CANADA**
- SALTERVILLE, MB
- LA SALINE, AB
- SALT SPRINGS, NB
- SALT SPRING ISLAND, BC
- SALT SPRINGS, NS
- SALTCOATS, SK



TOPONYMY

- **SOUTH AMERICA**
- PAMPA DE LA SALINAS, ARGENTINA
- SALTA CITY, ARGENTINA
- SALINA GRANDE, ARGENTINA
- SALINAS, BOLIVIA, BRAZIL, PUERTO RICO
- SALAR DE UYUNI, BOLIVIA
- SALAR DE SURIRE, CHILE
- SALINAS DE HIDALGO, MEXICO



TOPONYMY

■ CARRIBEANS

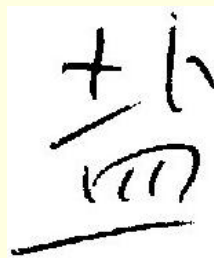
- POINTE SALINE, HAITI
- SALT GUT, JAMAICA
- SALT MARSH, JAMAICA
- SALT SPRING, JAMAICA
- SALT CAY, BAHAMAS
- SALINES POINT, GRENADA
- LES SALINES, MARTINIQUE
- SALINE BAY, SAINT-VINCENT



TOPONYMY

■ CHINA

■ yán



USES OF SALT

■ FIREWORKS

