

Get to Know the
Netherlands

in One Hour



May 21, 2003
11:00am
Rall Building, 101-A

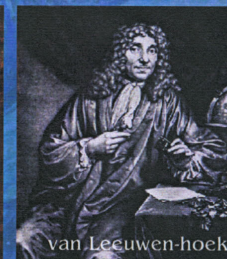
with
Judith Emmen
Anton Jetten
Petra Koken
Roel Schaaper



Vermeer



Huygens



van Leeuwen-hoek



Rembrandt

Dutch Education system

The Ministry of Education, Culture and Science:
The Minister (Mrs van der Hoeven)
Two State Secretaries (junior ministers)
The Education Council

Duration of compulsory education
Age of entry: 5
Age of exit: 16

The Dutch education system is divided into 3 levels:
Primary
Secondary
Tertiary



Primary Education age 5-12

Dutch is the language

Publicly run schools (33%) versus private schools (66%)

The school day lasts max. 5 hours

70% of primary school leavers do the CITO

Lunchtime at home/school

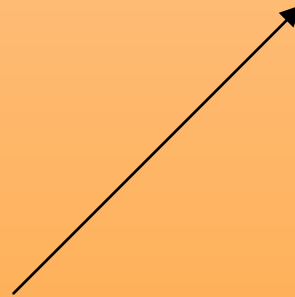
Summer holidays last six weeks



Primary education
age 5-12



Secondary education
age 12 and over



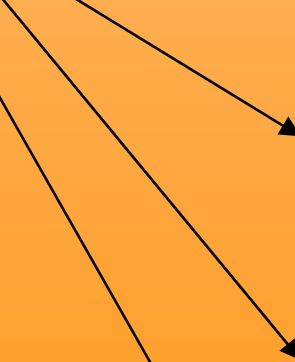
Pre-vocational (VBO)
4 years, age 12-16



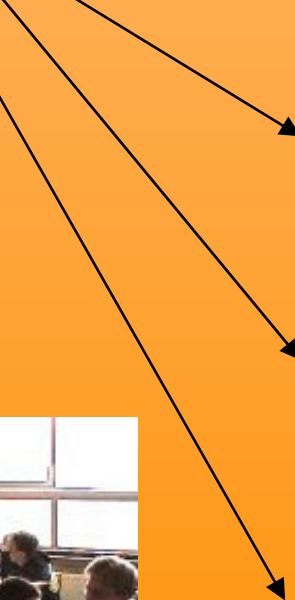
Sec. vocational education (MBO)
4 years, age 16-20



Junior general sec. education (Mavo)
4 years, age 12-16



Senior general sec. education (Havo)
5 years, age 12-17



Pre-university education (VWO)
6 years, age 12-18



Primary education
age 5-12



Secondary education
age 12 and over

Senior general (HAVO)

Pre-university (VWO)

Tertiary education
age 18 and over

Higher professional education

University

Tertiary Education age 18 and over

Higher education comprises:

- higher professional education (HBO)
- university education (WO)
- open higher distance education (Open University).

Most programs take 4 years. For some professions its longer :

- doctors (6 years)
- pharmacists (6 years)
- veterinary surgeons (6 years)
- dentists (6 years)
- some particular disciplines (5 years)

Academic titles (Master of Science/Art):

- ingenieur (ir) for more technical degrees
- meester (mr) for law
- doctorandus (drs)

Doctorate (Dr) when you've earned a Ph.D.



Fees, study costs allowances and student finance



Fees: up to age 16 = Free
school fee for age 16 and over = \$ 800.00
university courses tuition fee = \$ 1400.00

Financial aid for parent (income dependent).

Child benefit for children up to the age of 18.

Higher professional education and university courses

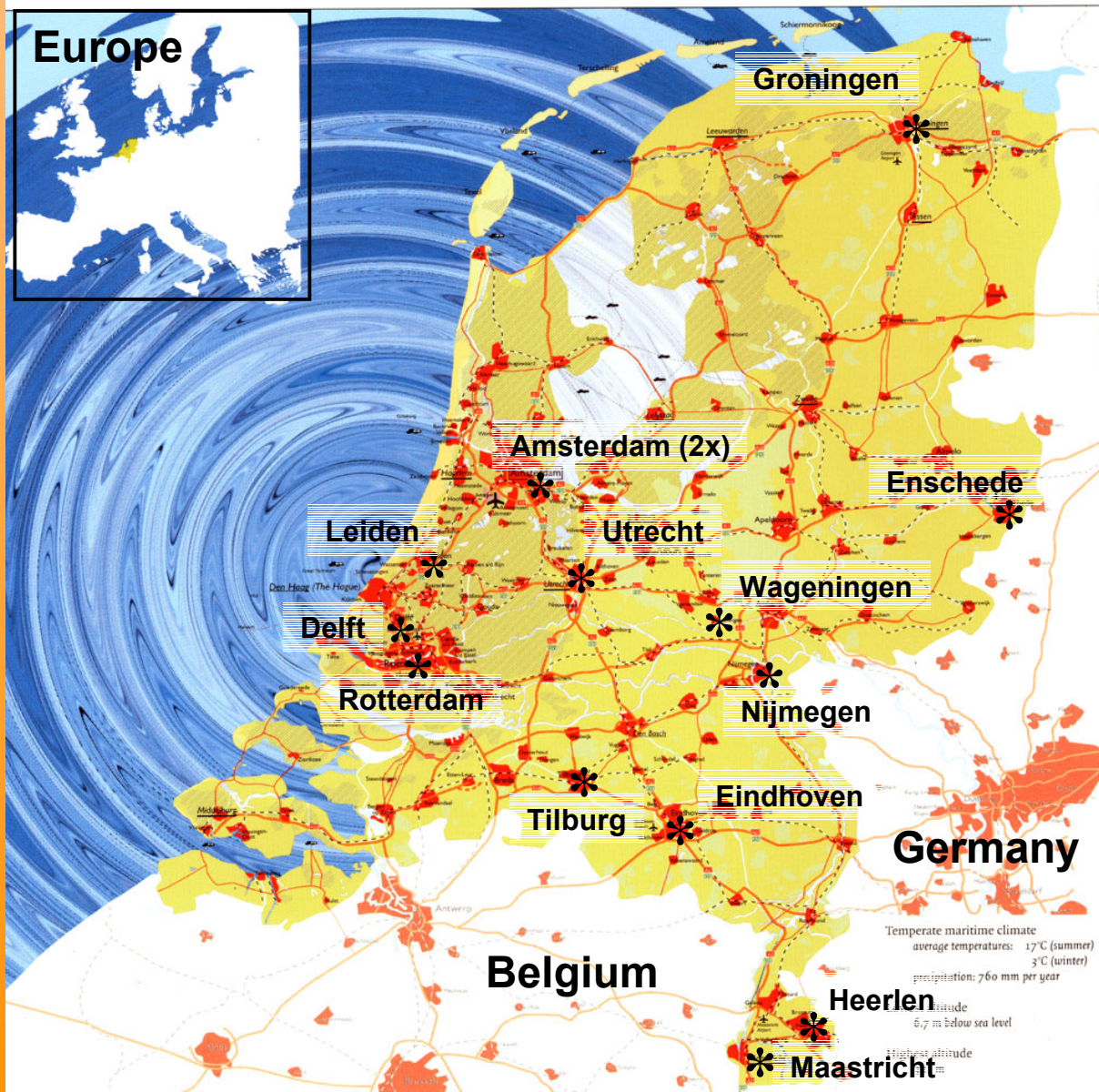
A basic grant (per month) for 4 years being:

\$ 75.00 for students living at home

\$ 200.00 for students living away from home

The system is based on the principle of 'loan then grant'.

Higher education



59 higher education institutions

14 universities
(Incl. the Open University for open higher distance education)

Institutes

The Royal Netherlands Academy of Arts and Sciences (KNAW)



Advising the government

Quality assessment of scientific research

Grants for research and travel grants

19 research institutes incl. Hubrecht Lab, Netherlands Institute of Brain Research, Fungal Biodiversity Center)

The Netherlands Organisation for Applied Scientific Research (TNO)



13 research and development laboratories

National Institute of Public Health and the Environment (RIVM)

The Netherlands Cancer Institute (NKI)

Various other institutes.....



Research



Budget of about 7 billion dollars a year on research

Government 41%

Companies about 49%

Remainder by foreign institutions and companies, charities....(10%)

There are three 'flows of funds' for university research (2 billion, 27% of budget)

1) direct from the government (56%)

2) Neth. Organization for Scientific Research (NWO) and KNAW (17%)

3) by trade and industry or by organizations (27%)



Facts and Figures

Publication output: #10. Netherlands 2.45% of worldwide input
#1. USA 33.5 %

Citation impact: #3. Netherlands 1.23 citation impact score
#2. USA 1.37

USA is Netherlands' major scientific partner (28%)

Women in Science:

University graduates:	54%
Ph.D students:	40%
Assistant professor:	22%.
Associate professor:	11%.
Professor:	7%.



Family and Social Life

- Daily life
- Cuisine
- Leisure
- Beginning of life
- Special days



Daily Life - Housing



Daily Life - WC



Daily Life - Stairs



Daily Life – Gardens



Daily Life – Volkstuintjes



Daily Life – Transportation



Daily Life – Household

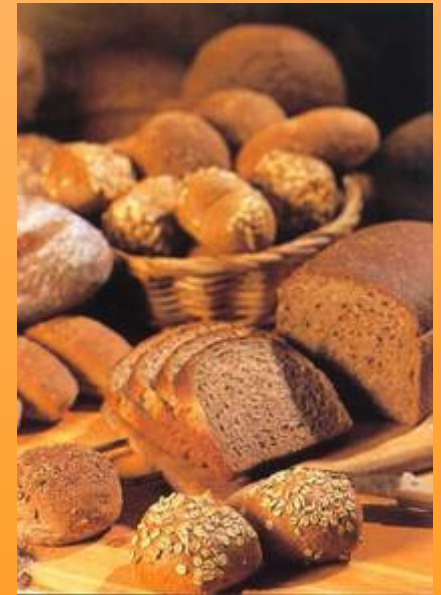


In their families,
the Dutch are all
equals

Daily Life – Shopping



Daily Life – Shopping



Cuisine – breakfast/lunch



Boterham



Cuisine - traditional



stamppot



zuurkool



erwtensoep

Cuisine - pannenkoek



poffertjes

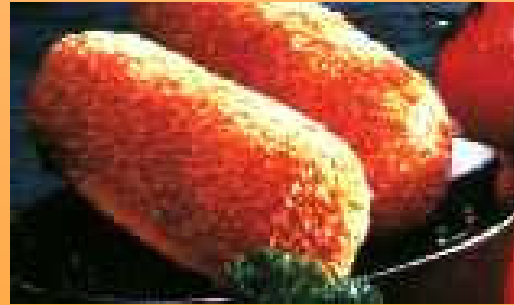
Cuisine - haring



Cuisine – fast food



patat



kroket



frikandel

Cuisine – fast food



Cuisine - international



Cuisine – koffie met ?



Abrikozen Vlaai (Apricot)



Gesorteerd Fruit

Cuisine – koffie met ?



Snoep



drop



Leisure

- *Minimum* amount of paid vacation days by law: 20
- Vacation money (8% of annual wage, by law)
- ADV=reduction of labor time
- Holidays

Leisure

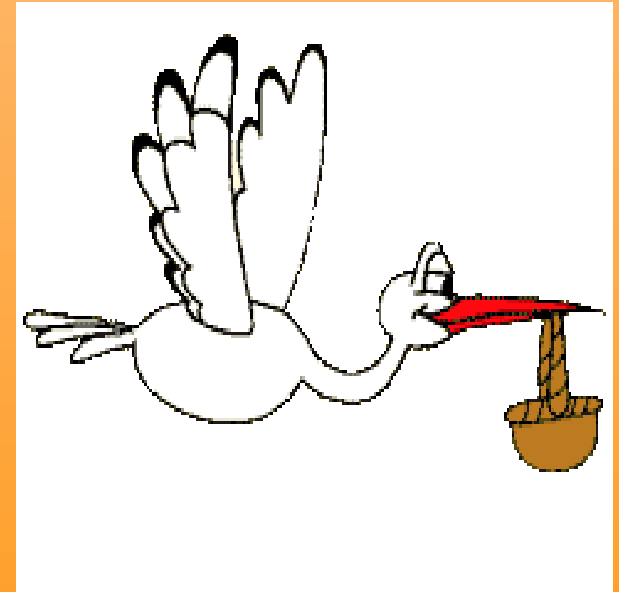
Long vacations (3-4 weeks)

Sports



Life begins at home

- 1/3 of children born in NL are born at home (62,000 home births in 2000)
- 70% of expectant mothers prefer home births
- Industrial Revolution → large hospitals → delivery is medical procedure



Life begins at home

Why did this not happen in the NL?

- Midwives and maternity nurses set up associations and campaigned for successful births at home (late 19th century)
- Dutch national character: of all Europeans, the Dutch take fewest pills and go to doctor the least
- Country: good roads, good maternity care, nearest hospital always close by

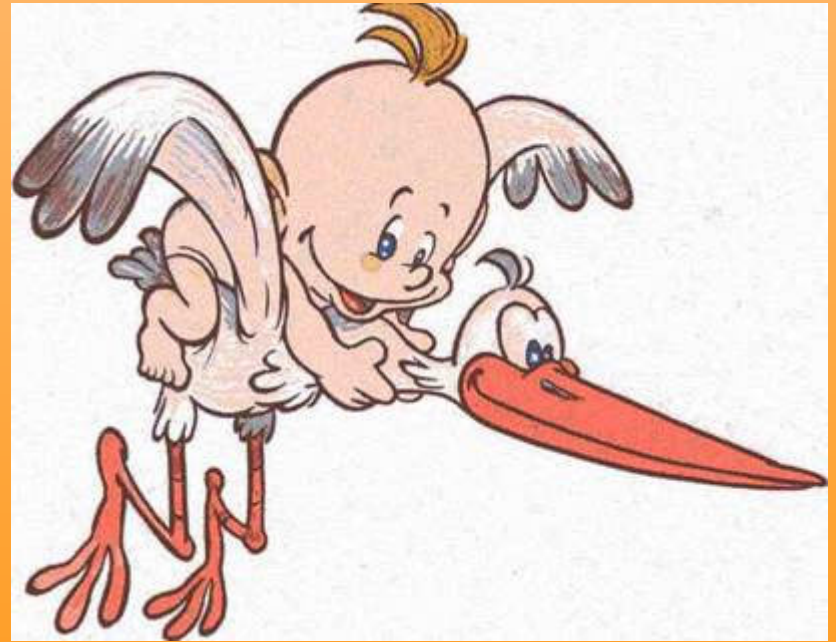
Life begins at home

Traditional:

- Home births
- Care from midwife
- After birth care

Home births are fully covered by medical insurances

ONLY 8% receives epidural
(USA: 95%)



Life begins at home

No babyshower

Birth announcement card



Ooievaar



Beschuit met muisjes

Life begins at home

- Maternity leave
 - 16 weeks (4-6 wks before due date, rest after)
 - 100% pay (state pays the employer)
 - Husband: 2 days (delivery and registration of birth)
- Parental leave
 - 57 days for both fathers and mothers
 - Payment dependent on employer



Special Days - Sinterklaas



- December 5th

Special Days - Easter



Special Days - Christmas



Special Days – New Year's Eve



Oliebollen



Ballet

plays

literature

Music

Modern dance

poetry

classic

Rock

The Arts in Holland

sculpture

architecture

Paintings

Jazz

opera



etchings



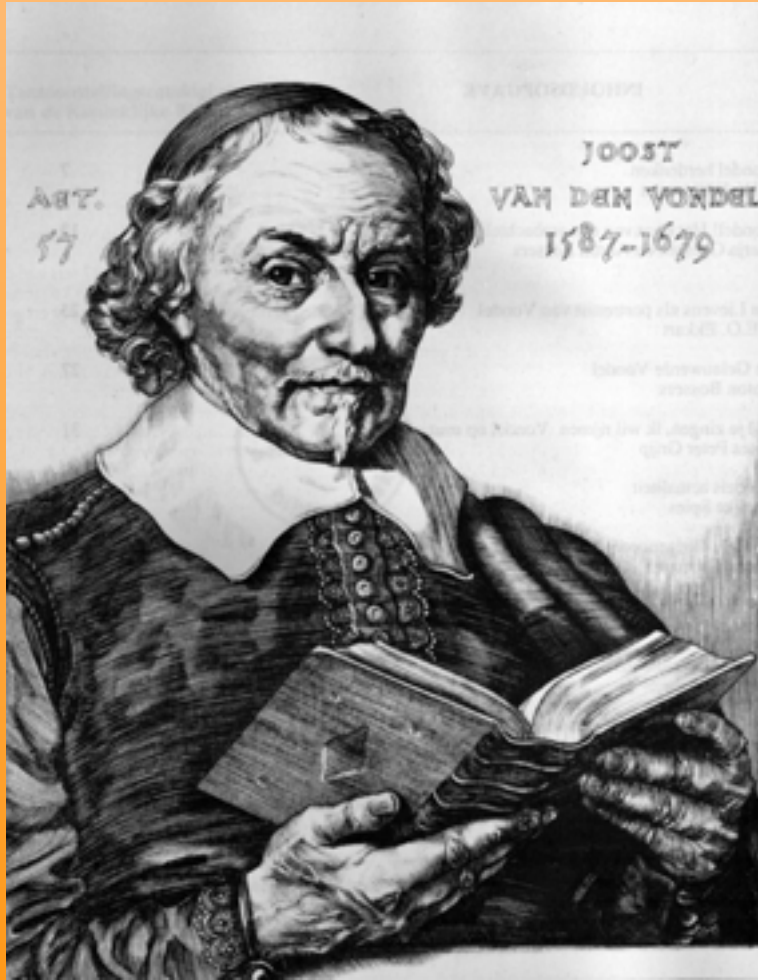
Movies

THREE DIMENSIONS OF DANCE
NEDERLANDS DANS THEATER

NDT

네덜란드 댄스 시어터 초청공연
Nederlands Dans Theater





Joost van den Vondel (1587-1679)

Considered the greatest Dutch writer
and national poet

Drama: Palamedes

Gysbrecht van Aemstel

Lucifer

Many poems

Translations from Italian, Greek, Latin,
French (works from Sophocles,
Seneca, etc.)



Hieronymus Bosch (1450-1516)
(Worked in 's-Hertogenbosch)

Considered a 15th century surrealist

Drawings and paintings (many lost)

Many paintings reflect scenes referring to the bible and incorporates many beliefs, habits, and superstitions of the Middle Ages

Paintings depict strange fantasies, monsters, devils, evil, witches that of reminds one of nightmares

Tuin der lusten (Garden of lust) 8'x12'
Others: The last Judgment, the Hay Wagon



Paradise



Hell



The Golden Age (17th century)

An outpour of an astounding number, variety and quality of paintings

Cause?

- Patronage from church and nobility no longer required
- Art for all people: Paintings decorated houses from people at every social and economic level
- Freedom to paint any subject
- Holland was a prosperous nation



Architecture

Jan van der Heyden

Carel Fabritius

Gerrit Berckheyde

Pieter de Hooch

Still life

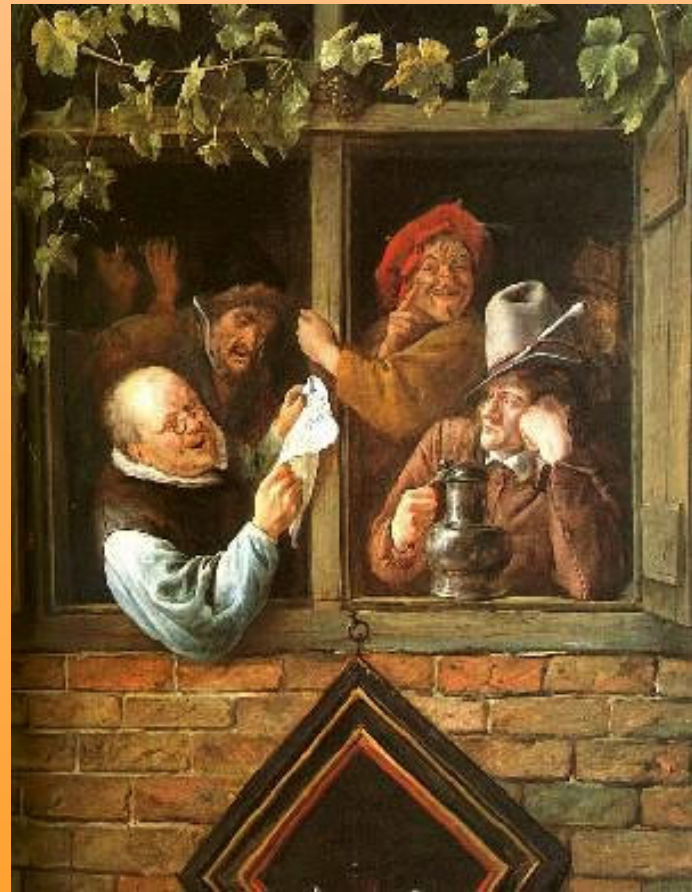
Balthasar van der Ast

Ambrosius Bosschaert

Willem Claesz

Abraham van Beyeren

Willem Kalf



Social life: Jan Steen

Adriaen van Ostade

Adriaen Brouwer

Gabriel Metsu

Portraits



Frans Hals

Gerard ter Borch

Land/Seascapes



Albert Cuyp

Jan van Goyen Salomon van Ruysdael

Meindert Hobbema Paulus Potter

Adriaen van der Velde

Jan van de Cappelle

Willem van der Velde



Rembrandt van Rijn (1606-1669)

Born in Leiden, worked in A'dam

Paintings, drawings, and etchings

Painted all categories

Master of light

Married Saskia van Uylenbergh

The Night Watch (12'x14.5')

Received 1600 guilder (1642)

(The Militia of Captain

Frans Banning Cocq)



Nightwatch (1642) 12' x 14.5'



The anatomy lesson of Dr. Tulp (1631-'32)
Considered to be his first masterpiece



Man wearing a high cap

Jan Vermeer
(Johannes van der Meer)
(1632-1675)
Born in Delft



Head of a girl



The kitchenmaid

His paintings have a magic quality
of warm, glowing light
and reflect calmness and beauty

Only 35 paintings exist



Selfportret

Vincent van Gogh (1853-1890)

Impressionist

Painted mostly in France (Arles)

Brother Theo, an art dealer, obtained many of his paintings (700 letters)

**About 750 paintings, 1600 drawings
Van Gogh museum in A'dam contains
>200 of his works**





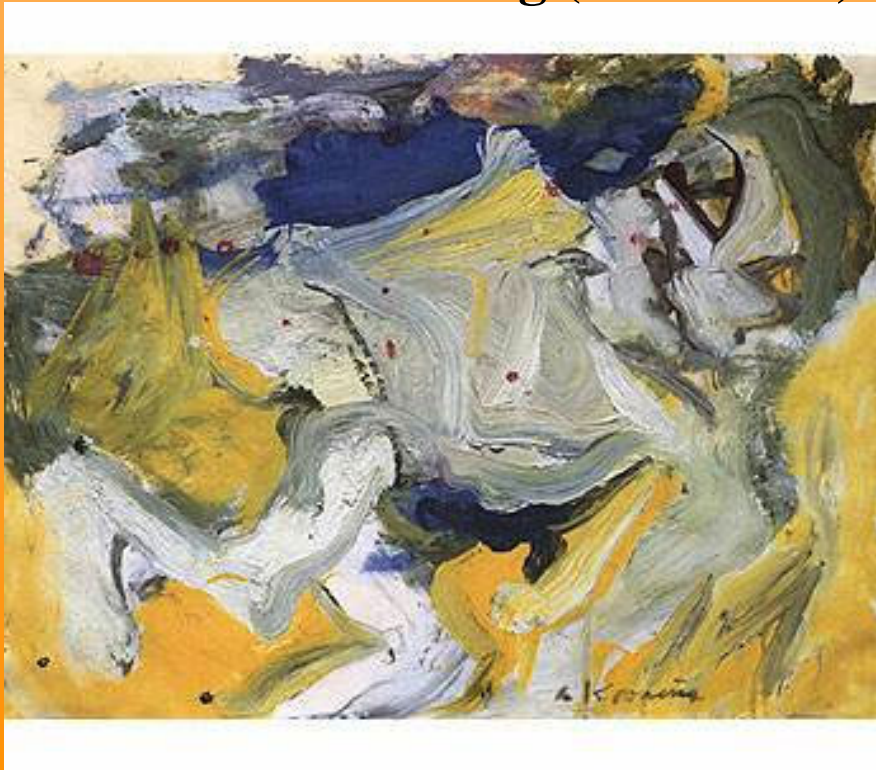
bridge



Sunflowers



Willem de Kooning (1904-1996)



Painter and sculptor

Born in R'dam moved to NY in 1927

One of the leading Abstract Expressionists

Struck by Alzheimer's in the 1980's



Karel Appel (1921-) Painter and sculptor

Born in A'dam, member of CoBrA
Influenced by Picasso and Matisse,
and after visit to USA by Action Painting
Paintings, murals,
polychrome sculptures,
stained glass windows





Maurits Cornelius Escher

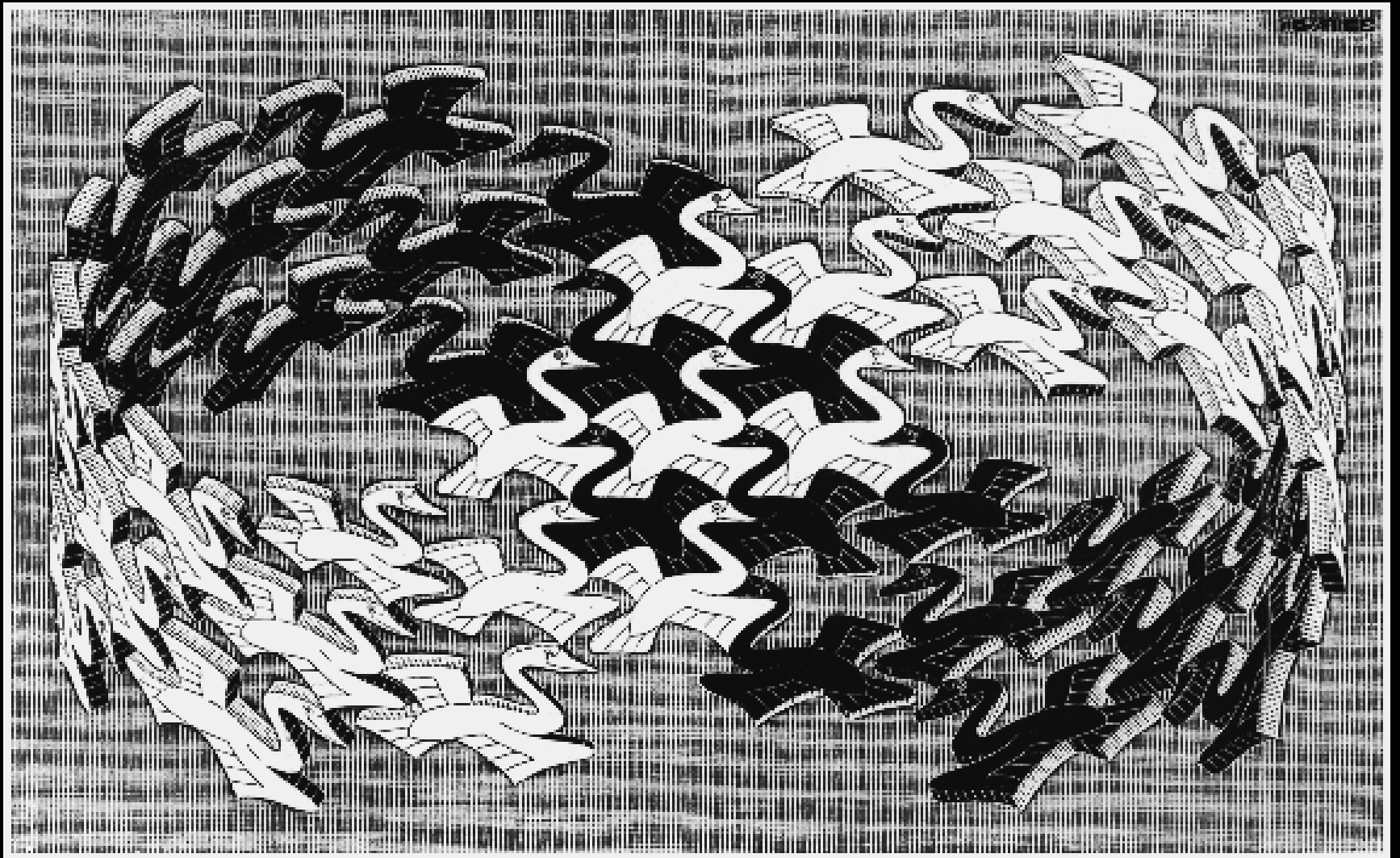
(1898-1972)

Woodblock prints and lithographs

His interest in architecture and his stay in Italy and Spain had a profound influence on his work

His work is typified by symmetries, (impossible) architectural and mathematical designs as well as metamorphosis









Jacob Obrecht
(1450-1505)

Composer of
masses; motets



Jan Pieterszoon Sweelinck
(1562-1621)

Organist of the Oude Kerk in A'dam
Very cultivated man: wrote in Dutch,
French, Latin, German and Italian
Composer of many works, including
22 French chansons, 7 canons,
4 Italian madrigals, 37 motets
153 psalms

After 300 years new life in Dutch music



Alphons Diepenbrock

(1862-1921)

Christian religious music
Gregorian and Wagnerian
influences

Willem Pijper

(1894-1947)

3 symphonies
2 Operas



Peter van Amroy

(1879-1954)

rhapsody for orchestra
“Piet Hein”

Hendrik Andriessen

sacred music, piano sonatas



Piet Hein

Henk Badings

contemporary music
pioneer in electronic music
12 concertos
operas , symphonies

The Royal Concertgebouw Orchestra



Concertgebouw (Concert Hall)
Opened in 1888

1895-1945: Willem Mengelberg
He was instrumental in making
the Orchestra to one
of the leading in the world
(Schoenberg, Milhaud, Stravinsky)

1945-1959: Eduard van Beinum

1963-1988: Bernard Haitink

1988- : Ricardo Chailly

Famous Dutch: the Royal Family



Queen Beatrix and Prince Claus

The Royal Family



American Presidents of Dutch Descent I

Martin van Buren (1836-1840) (Old Kinderhook, NY)

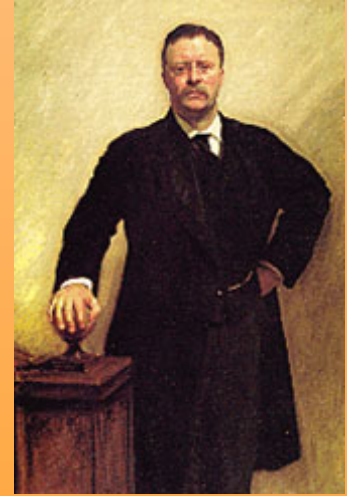


American Presidents of Dutch Descent II

Theodore Roosevelt (1901-1909)

Franklin D. Roosevelt (1939-1945)

Eleanor Roosevelt



All three Roosevelts descended from Claes Martensen Rosenvelt who emigrated to New Amsterdam in 1644



Piet Heyn (1577-1629)



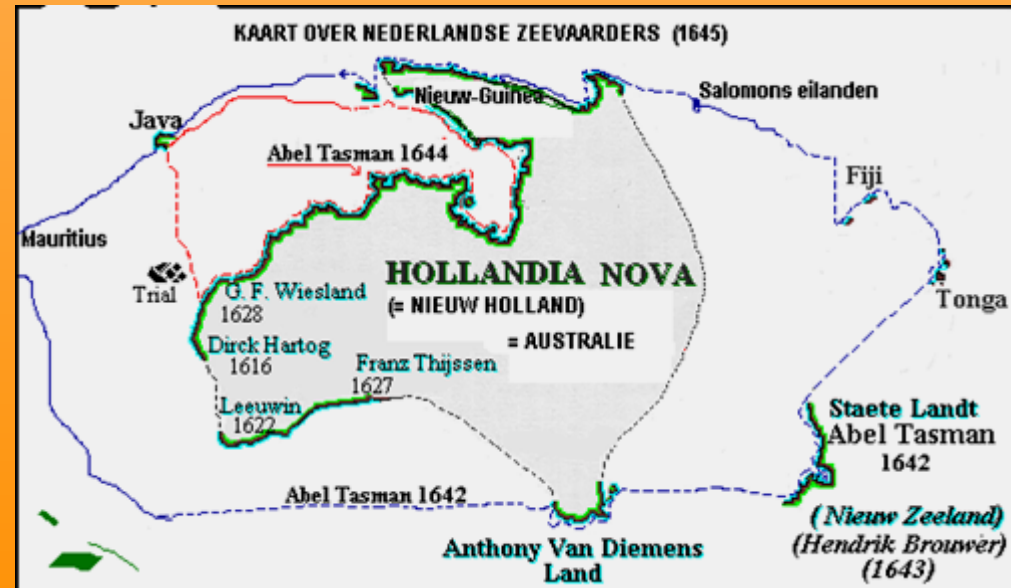
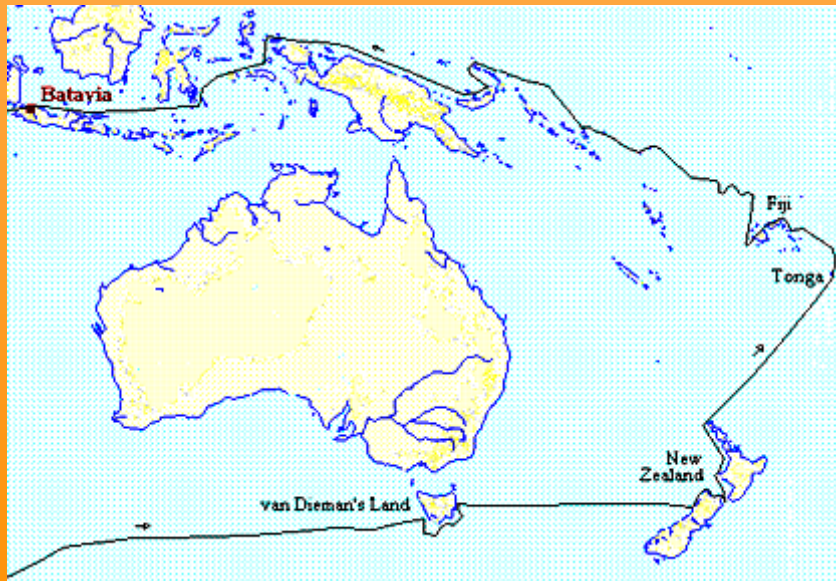
- Admiral in the Dutch Navy
- Legendary figure because of his capture of the Spanish "Silver Fleet" near Cuba in 1628
- Popular folk hero: Dutch people still sing the song "The Zilvervloot" at many international sporting events to encourage the Dutch teams 🗨️🗨️
- Piet Heyn Rhapsody (Peter van Anrooy, 1900)

Abel Tasman, voyages, 1642-1644



De Heemskerck en Zeehaen

- Circumnavigated Australia
- Discovered New Zealand, Fiji and Tonga islands



Christiaan Huygens (1629-1695)



- Mathematician
- Theory of probabilistics
- Telescope builder
- Discoverer of Saturn's rings
- Discoverer of Saturn's moon Titan
- Inventor of the pendulum clock
- Wave theory of light (Huygens principle)



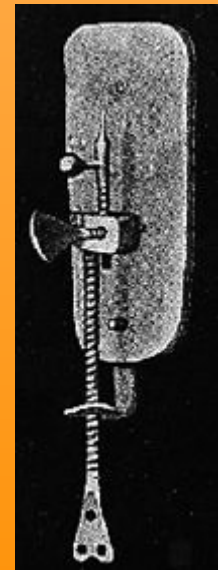
Cassini-Huygens mission to Saturn and Titan (arrival June, 2004)



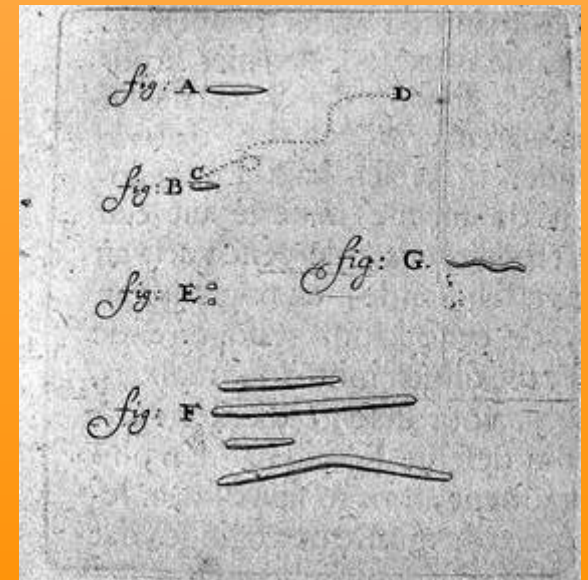
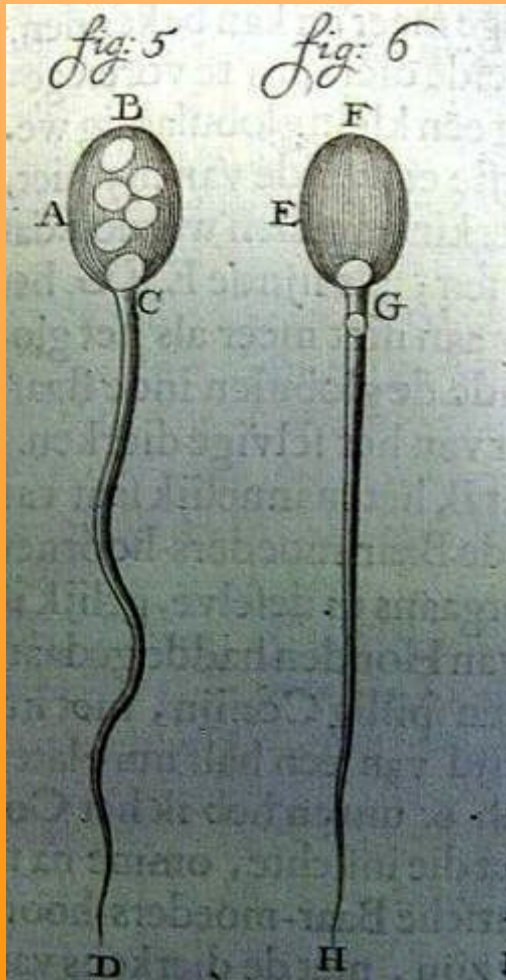
Titan

Antonie van Leeuwenhoek (1632-1723)

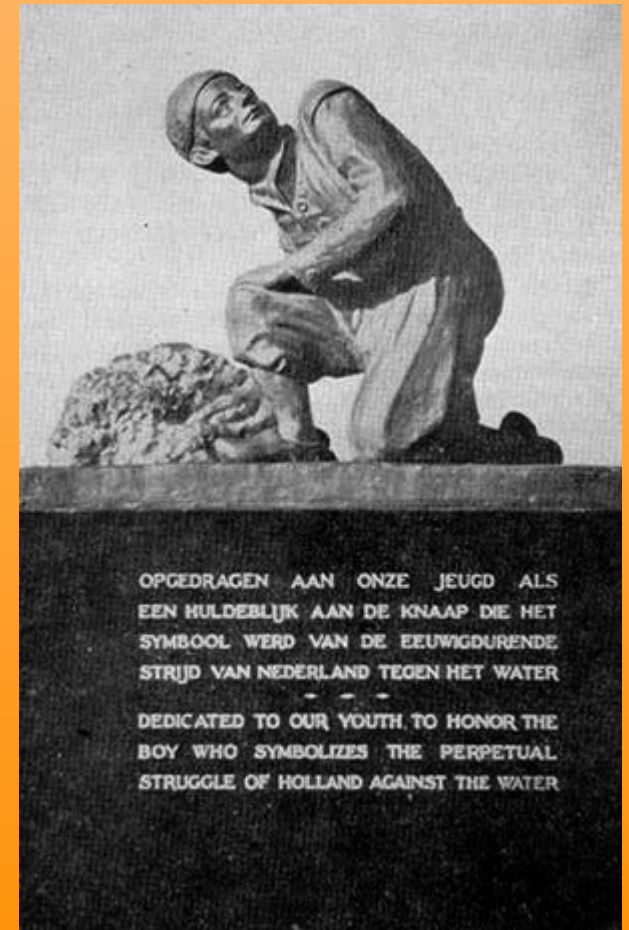
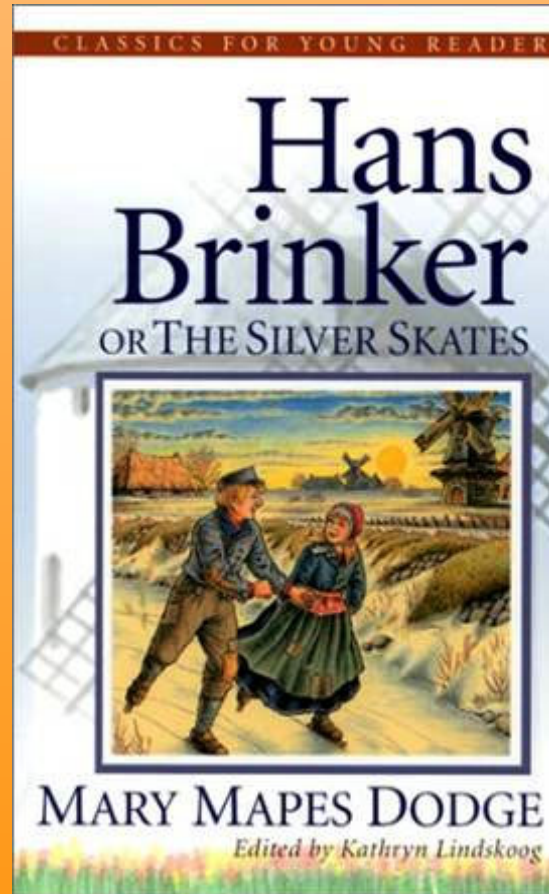
- Inventor of the microscope
- Built over 500 "microscopes", some of which reached magnifications of 200-500x
- Discoverer of many microscopic entities
- Member of the Royal Society of London



Antonie van Leeuwenhoek: some discoveries



Hans Brinker: real or myth?



Dutch Nobel Laureates

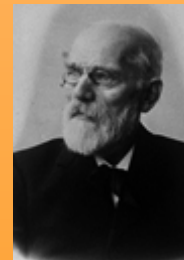
- 1901 Chemistry: J. van 't Hoff
- 1902 Physics: H. Lorentz and P. Zeeman
- 1910 Physics: J. van der Waals
- 1911 Peace: T. Asser
- 1913 Physics: H. Kamerling Onnes
- 1924 Medicine: W. Einthoven
- 1929 Medicine: Ch. Eykman
- 1936 Chemistry: P. Debije
- 1953 Physics: F. Zernike
- 1969 Economics: J. Tinbergen
- 1973 Medicine: N. Tinbergen
- 1984 Physics: S. van der Meer
- 1995 Chemistry: P. Crutzen
- 1999 Physics: 't Hooft and Veltman



van 't Hoff (1901)



Lorentz & Zeeman (1902)



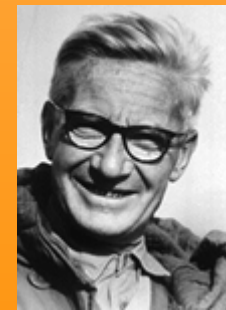
van der Waals (1910)



K. Onnes (1913)



Jan Tinbergen
(1969)



Nico Tinbergen
(1973)

Anne Frank (1929-1945)

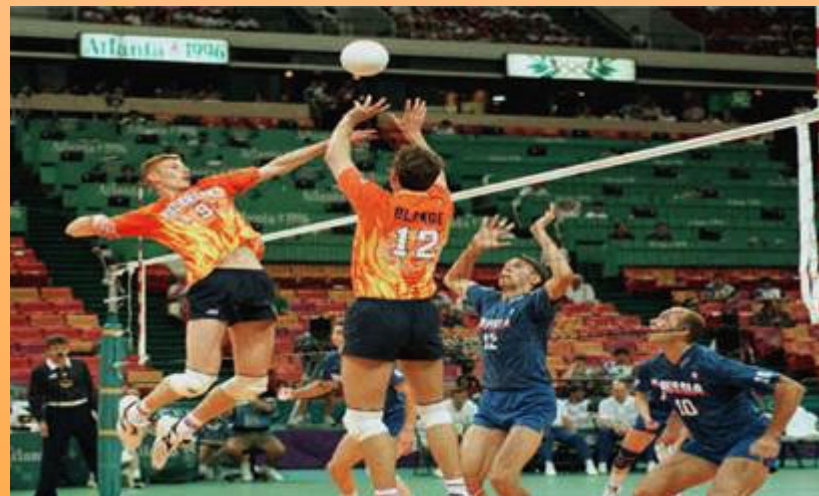




1992, Ellen de Lange
800 m



2000, Mark Huizinga, Judo



1996, Volleyball



2000, Leontien van Moorsel
3 gold

Olympic champions



2000, Pieter van den Hoogenband, 2 gold



2000, Inge de Bruijn, 3 gold



1996, 2000, Field Hockey

Fanny Blankers-Koen, athlete of the century



Four gold medals
in the 1948 London Olympic
Games (100m, 200m,
80 m hurdles, 4x100m relay)



In 1999 she was elected
athlete of the century by the
International Athletic
Federation

Speed skating, a Dutch passion



Gianni Romme,
Olympic
champion





**Máxima Zorreguieta and Prince Willem-
Alexander
February, 2, 2002**

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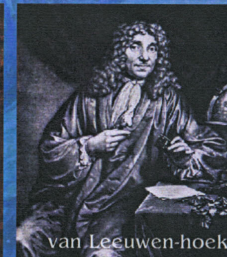
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Vermeer



Huygens



van Leeuwen-hoek



Rembrandt