


HISTORICAL EMPIRE BUILDING



1419 - 1820



EUROPA UNIVERSALIS II



CONQUEST, TRADING, DIPLOMACY
FROM THE MIDDLE AGES TO NAPOLEON

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SYSTEM REQUIREMENTS

Minimum:

- Pentium II 266
- 64 Mb Ram
- DirectX compatible Graphics adapter (at least 2 mb video memory)
- Windows 95 (must install Winsock 2 update included on CD)
- Windows 98, ME, 2000, XP
- DirectX 8

Recommended:

- Pentium II 450
- 128 mb Ram
- DirectX compatible Graphics adapter (at least 2 mb video memory)
- Windows 95 (must install Winsock 2 update included on CD)
- Windows 98, ME, 2000, XP
- DirectX 8

CONTENT

Introduction.....	8
Installing the game.....	8
Game Settings.....	8
GETTING STARTED.....	8
Tutorial.....	8
Choosing a scenario.....	8
Options.....	8
How to win.....	9
Standard.....	9
Power Struggle.....	9
Conquest.....	10
Mission.....	10
Multiplayer.....	10
Connection types.....	10
Checking the IP address.....	11
VIEWING THE WORLD.....	11
Map views.....	11
Normal mapmode.....	11
Political mapmode.....	11
Economic mapmode.....	11
Religious mapmode.....	11
Diplomatic mapmode.....	11
Trade mapmode.....	12
Colonization mapmode.....	12
Fog of war.....	12
Terrain and Weather.....	12
Information windows.....	12
The bar above the map.....	12
The shields above the Information window.....	13
Province and city information.....	13
Countries and provinces.....	14
Countries.....	14
Provinces.....	14
Cities and Capitals.....	15
Settlements.....	15
Sea Zones.....	15
Terra Incognita.....	15
ARMIES & NAVIES.....	16
Overview.....	16
Selecting and ordering Units.....	16
Fleets and Sea Transport.....	17
Loading of Army Units onto a Fleet.....	17

Unloading an Army Unit from a Fleet	17
Armies	17
Army movement	18
Presence of the enemy	18
Recruitment	19
Maintenance cost	19
Fortifications	19
Fleets	20
Fleet Movement	21
Naval Interception	21
Ports	21
Ship building	21
Maintenance cost	22
Building/Recruiting capacity	22
Province limit	22
Improvements	23
Commanders	23
Specialists	23
Hostile actions	24
Combat Morale	24
Pitched Battles	24
Naval Battles	25
Retreat	25
Naval Blockades	26
Sieges	26
Assaults	27
Attrition	27
Land	27
Sea	27
Supply Lines	28
Pillaged Provinces	29
ECONOMY	29
Overview	29
External Factors	29
Managing your Resources	30
The Financial Summary	30
The Budget	30
Provinces and Population Growth	31
Increase	31
Decrease	31
Instant changes	32
Population and income	32
Stability	33
Factors that lower Stability	33
Factors that increase Stability	35
What is affected by Stability?	35

Loans	36
National loan	36
International loan	36
Repayments	37
Bankruptcy	37
Inflation	38
Increasing factors	38
Decreasing factors	38
SOURCES OF INCOME	39
Annual income	39
Monthly income	39
Other income	40
Monthly expenses	40
War Taxes	41
Production and goods	41
Base value of goods	41
Supply and demand	42
Description and historical background	42
Trade and Merchants	44
Centers of Trade (CoT)	45
Trade income	45
Merchants	46
Competition	46
INVESTMENTS	46
Upgrading the Infrastructure	46
Public officials	46
Factories	47
Technology and Development	48
Areas of Technology and Research	49
Cultural Technology Groups	50
Investing in Stability	50
DIPLOMACY	50
Relations	51
Neighboring Countries	52
Diplomacy	52
Use of Diplomats	52
Improving Relations	52
War Affects Your Relations	53
Tolerance Affecting Your Relations	54
Other factors affecting Relations	54
Provocations	55
Insults	55
Claim their Throne	55
Warning	55

Proclaim guarantee	55
Economic agreements	55
Refusal to Trade	56
Trade agreement	56
Loans	56
Alliances	56
Royal Marriages	56
Military Alliance	57
Military access	58
Vassalage	58
Creating Vassals	59
Annexation	59
 WAR AND PEACE	 60
To Prepare for War	61
Casus Belli	61
Side effects of war	61
How to start and how to end	62
War aims	62
War score	63
Peace negotiation	63
Military annexation	64
Peace treaty	64
Separate peace	64
 RELIGION	 65
State Religion	66
Provincial Religion	67
Religious Tolerance	68
Religion and international relations	68
Strategy	68
Conversions	69
Changing State Religion	69
Changing Provincial Religion	69
Four Important Events	70
Reformation	70
Jean Calvin	70
Council of Trent	71
The Edict of Tolerance	71
 DOMESTIC POLICY	 71
Plutocracy to Aristocracy	72
Decentralization to Centralization	72
Narrow-minded to Inventiveness	72
Free Trade to Mercantilism	72
Defensive to Offensive Doctrine	72

Naval to Land.....	73
Quantity to Quality.....	73
Free Subjects to Serfdom.....	73
COLONIZATION.....	73
Overview.....	74
Receiving settlers.....	75
How to establish a settlement.....	75
Settlements.....	75
Colonies.....	75
Trading posts.....	76
Colonization of the New World.....	76
Chances to succeed.....	76
Local inhabitants.....	76
Explorers and Conquistadors.....	77
Colonial strategy.....	77
Protecting Your Colonies.....	78
REBELS & OTHER SCUM.....	78
Rebellions.....	78
Causes.....	79
Effects.....	79
Quelling rebellions.....	79
Liberation movements.....	80
Pirates.....	80
Privateers.....	81
EVENTS & SPECIAL CASES.....	81
Events.....	81
Historical events.....	81
The Treaty of Tordesillas – A Historical Event.....	81
The Holy Roman Empire.....	82
Defender of the True Faith.....	82
Monarchs.....	82
THE ARCHIVE.....	83
CREDITS.....	84
Paradox Entertainment.....	84
Vision Park.....	87

Introduction

Europa Universalis is a real time strategy game that spans over 400 years, from the last decades of the Middle Ages, through the periods of the Great Voyages, the religious strife of the Reformation and the paradoxical Age of Enlightenment, and ending with the rise and fall of Napoleon. Just like their historical predecessors, the players can also set out to literally discover, conquer, and forever change the entire World.



Installing the game

The installation program of Europa Universalis starts automatically when the CD is inserted in your CD player. If your CD-ROM unit does not have the auto run function activated, you may start the installation by double clicking setup.exe, which you will find in the root directory of the CD.

As soon as the installation program has started, you may install Europa Universalis and, if necessary, DirectX 8.0, which is included on the CD. When the actual installation has begun, just follow the instructions on the screen.

If Europa Universalis is already installed on your computer just press "Play" in the autoplay menu to start. You may also start the program from a suitable button in the Program menu under the Start menu. You

may uninstall Europa Universalis at any time by using either the Installation program or the Add and Remove program in the Control Panel.

Game Settings

Display settings

By clicking the EU2 settings icon located in the same place as the game, you can change the game's resolution.

In-game music

You can turn the in-game music on or off.

Valkyrienet

You can chose which server to connect to when you want to use the Valkyrienet match-making servers.

GETTING STARTED

TUTORIAL

If you haven't played Europa Universalis before, we recommend that you play through the tutorial. Reading and understanding this manual will then become much easier. It consists of 9 short chapters, each designed to show a specific aspect of the game.

CHOOSING A SCENARIO

First, choose a scenario from the list at the left and then select the country that you want to play. The listed countries are usually those that have the best chances of success due to their relative strength, historical advantages, or geographical location. In some scenarios you can access even more countries to choose from.

Previously saved games are located below the scenarios and can be loaded by clicking on them.

Options

You can customize your game to a certain extent in the areas listed below.

Difficulty - affects the amount of money your country will start with, how much things will cost, how fast you will generate

more money and the chances of success whenever luck is involved. Normal is the default value.

A. I. Aggressiveness - affects the eagerness for the computer nations to declare war, especially against the human players. Normal is the default value.

Game speed - this function can be accessed from within the game as well.

Fog of war - makes it harder to follow what the other countries are up to. Can be changed from within the game as well. **On** is the default value.

Forced annex - all countries (including yours) can lose their last province, forcing them out of the game. **On** is the default value.

Dynamic missions - the player can gain or lose victory points by trying to fulfill the missions of various characters. **Off** is the default value.

Base victory points - turning them off evens out the situation if the player chooses to play a very small country. **On** is the default value.

HOW TO WIN

The goal of the game may actually vary from player to player. The basics of the game are to receive as many victory points as possible. You score points whenever you are successful



Right clicking on a shield gives you the option to choose a different country than those initially listed. This function is not available in all scenarios.



in your game play, for example by winning wars and battles, keeping your population happy, by creating diplomatic alliances, exploring unknown territories, building colonies, establishing merchants, etc. You will lose victory points if you fail in your attempts.

Standard

If you play using the "standard" victory conditions, the player with the highest total points becomes the winner, but note that at the end of the game you will see your country's relative position based on how many victory point all countries have received. This means that you can play a country you find difficult to play just to try to get a better result from game to game, which is also a way of "winning." Another approach is to play Denmark, for example, and try to get more victory points than its perennial enemy Sweden.

Power Struggle

The country that is first to reach a predetermined number of victory points is the winner. Power Struggle is a good choice if you want to play a quick game.



Conquest

The country that conquers a predetermined number of provinces is the winner. You set the number when you determine victory conditions. Conquest is the number one choice if you wish to decide the outcome of the game on the battlefields.

Mission

Each country will receive a specific difficult mission, and the player that succeeds first is the winner. Various missions may include: Russia must conquer all orthodox provinces in the Balkans, or Spain must "conquer England." Mission is the choice for players who would like to try something random, yet challenging.

MULTIPLAYER

In order to let more than one player participate in the same game, the players need fast Internet connections of at least 512 kbit/s and TCP/IP protocol installed. The host of a

new game decides the scenario, victory conditions and game speed. He also saves the game. Note that events that would temporarily halt a single player game will not do so in multiplayer. Neither can you change game speed once the game has started.

There is a limited pause function in multiplayer. There is a delay of 10 seconds before the game pauses. 30 seconds after the game has come to halt, the other players can resume the game again.

Connection types

Local Network - Will automatically search your local network for any hosted game. You can then join any found game or host a new game yourself.

Valkyrienet - Here you can meet other players and chat with them, join their games or host a game for others to join.

Internet - You must know the IP address of the host in order to join a game. To check your IP -address, follow the instructions

below. Note that unless you have a permanent connection, your IP -address will most probably change every time you connect to the Internet.

Checking the IP address

1. Make sure you are connected to the Internet.
2. Under the start-menu, choose Run.
Win95/98/Me
3. Type winipcfg and click OK. Your IP address is displayed
Win2000/NT
4. Type cmd and click OK.
5. In the new window type ipconfig and press ENTER. Your IP address is displayed.

VIEWING THE WORLD

You lead a country, or more precisely, you are a country, and all of the provinces within the borders of your country belong to you. You also have access to army units (symbolized by small soldiers) and fleets (symbolized by small warships), which you can move around on the map. By clicking a province you get access to information about it in the "information window" on the left side of the screen. Here you are able to construct army units and fleets, invest in infrastructure, and many other things. Exactly what you are able to do and how to do it will be discussed in greater detail later on.

MAP VIEWS

The game is played on a world map. You can't see everything on the map at the same time, only the provinces and sea zones familiar to your country. In order to find out more you need to gradually explore the unknown parts. You have several settings to choose from depending on what kind of information you want to gather from the map.

Normal mapmode

Accessed through the tree icon. The standard view, which we will call the normal map,

shows each province with its name, its type of terrain, whether it contains cities, colonies, or trading posts, and whether it is winter or summer in the provinces. It will also show land boundaries between countries. In the sea zones you will see what the weather is like.

Political mapmode

Accessed through the flag icon. Here are the countries are shown in different colors. By placing the hand on a country, a popup window provides a diplomatic summary. The provinces containing small variants of your country's shield are your core provinces.

Economic mapmode

Accessed through the coin icon. Shows the main resource produced in each province. The darker the green color is, the richer is the province. By clicking a province you will highlight all provinces with the same resource. If you choose any of your own provinces or click on the resource icon in the province window, you will get information about the corresponding resource.

Religious mapmode

Accessed through the missionary icon. You are given information about the state religion of all countries, as well as provinces with a different religion than the state. The different religions are shown in different colors. If you own a province with a different religion and have a missionary available, you can send him to the province in an attempt to convert them.

It is in this mode that you can see the members and extent of the Holy Roman Empire (see chapter "Events and special cases").

Diplomatic mapmode

Accessed through the pen and letter icon. Here you will find all of your foreign relations, and by clicking a province of another country you are shown the foreign relations

of that country. Red indicates hostile countries or countries where you have a legitimate reason, *Casus Belli*, to declare war upon, while green are friendly ones. Note that this is the map you will be using when you wish to perform diplomatic actions.

Trade mapmode

Accessed through the gold bars and crates icon. Each province belongs to a Center of Trade that is specified by different colors. The corresponding center is shown when a province is chosen. This mapmode is used when you deploy merchants.

Colonization mapmode

Accessed through the ship icon. This map is used when sending out settlers to claim new land for your country. Available provinces are shown in green colors; light greens indicates that they can be colonized by any country, medium greens are your provinces with existing trading posts, and dark green indicates your existing colonies or colonial cities.

Fog of war

Note that a shade covering the majority of the map in the normal mapmode prevents you from viewing foreign armies in the provinces, or fleets in the sea zones. Areas not covered by the shade include your own country and the adjoining provinces and sea zones, your vassals, the countries of your allies, countries in which your monarch has entered royal marriages, provinces or sea zones containing your military units, as well as provinces or sea zones adjacent to your forces.

Terrain and Weather

The game contains five different types of terrain: open terrain, forest, mountains, desert, and swamp. There is also one geographical obstacle: rivers. The terrain types affect the movement of army units, battles, and army unit attrition. Some provinces also suffer the effects of winter, which in turn affect the various terrain types.

Sea zones are also affected by the weather. Certain sea zones may be ravaged by storms, or be covered by ice during parts of the year. Note also that attrition is lower in sea zones next to coastal provinces, compared with the open sea.

INFORMATIONS WINDOWS

The bar above the map

On the top line above the Map window, you will find a border with four symbols and a date – the game clock – followed by another four symbols. The first four show how many Merchants, Colonists, Diplomats and Missionaries you have available. The date is shadowed whenever you pause the game, and white when time is running. If you think that the "progress of time" is too fast or too slow, you may change it by clicking the menu button at the lower left of the Information window, choosing option, and then following the instructions or press **Ctrl +** (numeric keypad) to increase the game speed and **Ctrl -** (numeric keypad) to decrease the game speed.. The four symbols to the right of the date show the Stability level of your country, the Manpower in thousands of soldiers, the



Right-click to go directly to a particular page. The game pauses while you view the ledger (single player only). You exit by clicking on the lock to the right.



contents of your treasury expressed in Ducats, (one of the most common currencies during the historical epoch), and a clock that allows you to pause the game by clicking it. You will receive more background information if you point at the symbols.

The shields above the Information window

The embellished line above the Information window contains five coats of arms. If you left click on any of these, specialized information will be shown in the Information window. The shields will provide the following information (from left to right): naval information, land army information, general information about the country and its monarch, the state budget, and the financial summary.

The military information shows among other things your current level of technology and your research for the next. A slider allows you to adjust your maintenance cost.

The economic information will show the income and expenditures of your country, including how they are allocated. You may also choose how to allocate your research investments in order to develop your technology levels.

Province and city information

When you left click on one of your provinces, you will see the city in the information window. By clicking on buildings and objects, you get additional information about them. The buildings are the places where the various officials of your province work. The officials may be appointed by clicking the buildings, which will give you more advantages in the game. You may also build fleets, recruit army units, and upgrade the fortress.

In addition to the buildings of the province you also see another shield. The shield shows the most important products of the province, including provincial revenue from trade and taxes. When you appoint officials, for example, you will find that these revenues increase.

The building of worship (church, mosque, temple, etc.) will be upgraded automatically when the population of the province increases. If you left click the church you will find general information about the state of your province. You can get additional information from the text lines by keeping the hand on them. You may also click on the symbols to get additional information about the economy and religion.

COUNTRIES AND PROVINCES



peace you may only move your army units from and to provinces belonging to your own country, or into independent provinces.

During times of war you may also move army units into provinces belonging to allied countries and dependent states, and into countries with which you are at war.

Settlements are provinces that lack a city, but have either a colony or a trading post. One basic difference between a province with a city and a province with a settlement is that you can build ships and raise army units in the former, appointing officials, building fortifications and establishing factories. You may not do any of this in a province with a settlement.

A coastal province is a province with a port. Note that in order to have a port the province must either have a city or a colony; a trading post is not sufficient. Having coastal provinces also affects the number of colonists and merchants your country will receive each year. Also note that ships do not suffer attrition when in port, because they can be maintained. If you have a large country with provinces on several continents, you will do better if you have ports in as many places as possible, in order to send your ships in to port now and then, to avoid suffering attrition (see Attrition).

The provinces you start the game with are your core provinces and your most important ones. Core provinces are marked on the political map with small shields.

Note that a province may belong to one country, but may be controlled by another. This happens when two countries are at war with each other, and one of the countries has occupied a province belonging to the other country. When peace has been declared, all controlled provinces return to the original owner, unless they have been surrendered as part of the peace treaty. There are two exceptions. The other exception applies if rebels manage to seize one of your provinces. The province still belongs to you, but the rebels

Countries

Each player runs a country. Each country consists of one or several provinces. Your country has a border marked on the map, and if you wish to view the political map, the provinces of each country are marked with the same color. Each country has a monarch, a state religion, and one or more central cultures. Most of the countries are located in Europe but there are several non-European countries spread out in the world that can be played as well. Each scenario defines the countries you are allowed to play.

Provinces

There are two types of political status for the provinces. They either belong to a country, or they are independent. Independent provinces only exist outside of Europe, and are populated by natives, organizing their societies through clan and tribal systems instead of nations. The independent provinces do not have standing army units; instead native war bands will meet you if you move an army unit into the province. When a colony or a trading post is established, the province is no longer considered independent.

The country a province belongs to is noted by the flag waving above the city, the colony, or the trading post. During times of

control it. If another country controls any of your provinces, you will not receive any income from these provinces. You will see that a province is controlled by another country if the flag of another country is flying above the city, the colony or the trading posts. (Rebels fly a red and black flag.) In order to take control of a province you must capture the city, either by assault or siege. Provinces with cities lacking fortifications, and provinces with colonies or trading posts, are automatically controlled when you move an army unit into them.

Cities and Capitals

A capital is shown on the map by the disc behind it. The province with your capital may not be surrendered during peace negotiations other than by annexation of the entire country. The city shows a graphic representation of the level of development of your province. What you see in the information window is a picture of the city, as you build ships, raise army units, upgrade buildings, and build factories. The population level of your city indicates the wealth of your province. Normally the population of the city will increase over time, but it may also drop because of war, rebellions, random events, and if the city is situated in an area of adverse geographical conditions, for example in the African tropics. When a colony has 700 inhabitants it develops into a city.

Settlements

When you have established a trading post or a colony in a province you gain ownership of the province. This means that no other country may use the province for troop movements during peace, and no other country may establish trading posts or colonies in the province. You may lose your settlement, and thereby the province, either through negative population growth, hostile actions by the local natives, or by ceding the province to another country as part of a peace treaty.

During war you may also lose a trading post because an enemy army decided to burn it to the ground.

The difference between a trading post and a colony is that the trading post provides a low production value and a high trading value, while the colony provides a high production value and a low trading value. In addition, the colony has population growth and may be developed into a city, while a trading post does not have population growth, nor may it be developed into a province with a city. You may still change your trading posts into a colony by sending colonists but the other way around is not possible.

Sea Zones

Sea zones are not owned by any country. Instead, the struggle concerns the shipping lanes. Anyone who is able to stop others from using the shipping lanes therefore exerts a certain influence.

TERRA INCOGNITA

Historically, there were several areas that were not discovered until after the end of the game's time span (such as some parts of Siberia and Australia), or which had been discovered earlier, but where all knowledge about it them had faded into legends (such as the interior of Africa), and finally areas which could not be explored using the technology of the times (such as certain Northern sea routes).

The white and unknown parts of the map are called "Terra Incognita," which is simply "The Unknown World" in Latin – the language of knowledge and science during this age.

Terra Incognita represents provinces and sea zones not yet discovered by your country. When these are discovered, either by moving army units or ships through them, or by trading maps with other countries, the areas cease to be Terra Incognita and become part

of the known world, as your country knows it. Note that you normally need a Conquistador, or you must have reached Land Military level 31 in order to discover provinces. For undiscovered sea zones you need an Explorer or you must have reached Naval Technology level 21.

Permanent Terra Incognita represents undiscovered areas not consisting of provinces or sea zones. Permanent Terra



The attacker is always on the left part of the screen, the defender on the right. The needle points towards the stronger side, weighting in current strength, technology, morale, leaders and terrain.

Incognita comprises the areas that were not explored at all at this time.

ARMIES & NAVIES

OVERVIEW

Battles and movement are the tactical components of warfare. During the period, battle and movement could often be decisive for the outcome of a war. A single pitched battle or a naval battle could save the existence and independence of an entire country. If the Spanish

Armada had not foundered in 1588, England probably would have become a vassal state of Spain, just like Portugal. If the Ottoman Empire had won outside of Vienna in 1683, Europe, as we now know it, most likely would not have existed. Another immensely important factor was how efficiently a military unit could be moved. Poland-Lithuania defended their giant commonwealth by dashing about with their incredibly mobile armies: one moment to the coast of the Black Sea; the next to the Baltic; the next to the Ukraine, winning battles in the meantime.

You may move two kinds of military units in the game: army units and fleets. There are three kinds of battle: Pitched Battles, Sieges, and Naval Battles. All of this will be thoroughly covered in this chapter.

Selecting and ordering Units

In addition to left clicking a unit, you may also keep the left mouse button pressed and drag a box around the unit. You know that a unit is selected when a green circle surrounds it, and you see an elongated rectangle at the base of the unit. The morale of the unit is indicated by the colors red, yellow, or green. A newly recruited unit always starts at the lowest possible morale. It will then increase month by month to the maximum level allowed by your technology level. The Information window provides additional information about the chosen unit, such as unit commander, strength, and attrition. You may also split the unit into two parts, merge units by first choosing all units in a province, and also reorganize – or customize – your units. Finally, you may opt to disband the unit.

When you have right clicked the area you want to move your army unit into, the unit will start marching/sailing. You also see a green arrow showing the direction of the movement path. If you wish to do something else for a moment, such as take care of your province, you will see the green arrow if you

choose the unit again.

Fleets and Sea Transport

The fleet is a military unit consisting of a varying number of ships in the same way that an army unit consists of a varying number of troops. There are three types of ship in the game: Warships, Galleys, and Transport Vessels. Warships have a transport capacity of 1; galleys have a transport capacity of 0.5, and transport vessels a capacity of 2. What is transport capacity? Each army unit has a weight; the transport capacity of your fleet indicates how many troops you are able to transport. Cavalry and artillery have greater weight than infantry. The total weight of each army unit and the transport capacity of the fleet can be found in the Information window whenever you have selected a unit.

War ships are more effective in battle, galleys are the least expensive, and transport vessels have the largest transport capacity. Galleys should be kept in the Baltic Sea, the Mediterranean, the Red Sea, the Persian Gulf or the Black Sea, as this ship type is less useful on the open sea.

Merging, splitting, reorganizing, and dissolving fleets is done in exactly the same way as army units are merged, etc.

Loading of Army Units onto a Fleet

First you need to order your fleet into a sea zone, and then order an army unit in an adjacent province to load onto the fleet. You cannot load the fleet while in port since armies automatically debark ships in ports.

When the troops are loaded you will find a new button in the information window when you choose the fleet. Click this button when you want to unload the army unit in another adjacent province.

Unloading an Army Unit from a Fleet

Choose the fleet and click the unloading button. You will now see the army unit on the map. Now click the province where you wish

to unload your army unit. The troops will now start marching to the province. If a fleet transporting army units is sent to port the army units will be unloaded instantly and automatically in that province.

ARMIES

As has already been mentioned, there are three branches of the army that may be included in the army unit: infantry, cavalry and artillery.

The basis of the field army was the infantry, the cheapest one to recruit, and was also easier to train but which often lacked the firepower to make it the decisive factor in a battle. The cavalry, as the successor of the knight, was the "army branch of the nobility," a status it was to hold until a long time after the period covered by this game. The cavalry was the principal actor of the battleground and lacked all firepower, but made up for this by its strong shock effect with the ability to quickly shatter the morale of the enemy, if it was employed efficiently.

In the late 16th and early 17th centuries,



When the icon of a besieged fortress starts burning, a breach has been struck in the wall. Not only will this speed up the siege process, it will also increase the chance to carry through a successful assault.

the emphasis was shifted from shock effect to firepower in the armies of Europe. The infantry became the equal of the cavalry, although the two forces served different purposes during a battle. The artillery had become lighter, and thereby more mobile, and was also beginning to be utilized as relief for the infantry in battles.

During the 18th century, another shift in focus of battle efficiency took place. Drill and discipline had been established in the European armies, thereby making it possible for the infantry firepower to be utilized more efficiently. Infantry became more important on the field of battle than cavalry, even though the cavalry still played a very important operational role, being the most efficient branch for reconnaissance purposes during the period. In addition, the cavalry was still the only fast, long-range branch of the army, which made it indispensable in deep-going wars such as those in Russia, Poland, and the Middle East.

At the end of the 15th century, artillery was chiefly used in sieges. Cannons were usually very heavy and immobile and seldom of much use in a pitched battle. The efficiency of the artillery improved markedly during the 17th century, and was organized in batteries with a direct fire effect against infantry on the battlefield. Efficiently utilized artillery could be the decisive factor of a battle, simply because the heavy artillery fire could shatter morale in a wing or even a flank, an advantage that was then used by sending a cavalry shock against the shaken, retiring infantrymen.

In a field army, the infantry is slower than the cavalry but faster than the artillery. The cavalry is less economical and takes longer to train; however, it is the fastest unit, extremely maneuverable, and can have an enormous shock effect in the heat of battle. On the other hand it is less serviceable in a siege. The infantry, together with the artillery, serves as garrisons for fortifications.

Army movement

When you order an army unit to move, i.e., give it marching orders, there is no distance limit from the unit's current location and your desired destination. The unit will start moving toward the destination at the speed of its slowest army branch. For instance, if you have a unit consisting of infantry, cavalry, and artillery, the whole unit will move as slowly as if it only consisted of artillery.

The nature of the terrain the unit is moving through or crossing will also affect its speed. It takes 25% longer to march through woods and deserts, 50% longer through swamps and 75% longer through mountains compared with open terrain. The presence of snow will decrease the speed even further, as will movements into undiscovered provinces.

In times of peace, you may move your army units both through your own provinces and those of your vassals. When you are at war, you may also move through the provinces of your allies.

Presence of the enemy

If an enemy army unit should move into a province through which your unit is moving, the unit will stop immediately and a battle will take place. If your army unit should lose,



To load an army on a fleet, give it a movement command to the sea zone where the fleet is. If the fleet is in port, you must first send it to sea. It is faster to embark from and disembark to provinces with ports than those without.

it will retreat. You cannot influence where it will retreat, as the commander automatically will move into a neighboring province, giving preference to provinces that you control.

If your army unit wins the battle, the enemy will retreat while your unit continues moving. Thus, two army units from enemy armies may never stand still in the same province after a pitched battle, unlike units from allied countries.

You can move freely through unfortified and fortified enemy provinces, provided that you detach a troop to watch the fortification. After detaching a troop, the main part of your unit may march on. To detach a troop for guard purposes, click on that button in the information window.

Recruitment

The time it takes to recruit a unit varies between the different branches, partly because the time it takes to train an efficient army unit varies, and partly because the setup of the unit demands several kinds of specialized equipment. To simplify, we can say that artillery units take the longest to recruit, followed by the cavalry, and then the infantry.

The cost of recruitment depends upon a number of factors. Firstly, different kinds of troops cost different amounts. Artillery is the most expensive, followed by cavalry, and then the relatively inexpensive infantry. Secondly, the cost is dependent on which country is recruiting the troops. Different countries had different traditions when it came to choosing army branches and the composition of army units. Some countries, for instance, chose quality above quantity. Thirdly, the cost will vary depending on which level of military technology your country possesses. In general, troops get more expensive the higher your military technology level is, since a higher level of technology means costlier training and more expensive equipment. Infantry and cavalry are recruited in units of 1000 men and artil-



By holding down the "SHIFT" key while right clicking, you can specify an exact path for your units.

lery in units of 10 pieces.

Maintenance cost

The maintenance of your army units is paid monthly. By accessing your country's Financial Summary you'll be able to see how large the sum is compared with your other expenses. You may change the maintenance payments of your country by accessing the army information window, where you may choose what percentage of the maintenance you wish to pay. The payment must be at least 50% of the actual costs. The size of the maintenance is also based on the total size of your armies and whether this exceeds your national supportable amount. You may disband army units to reduce the cost of maintenance. Note that your morale will be adversely affected if you pay less than 100% maintenance.

Fortifications

The importance of fortifications cannot be overestimated. A hostile army unit automatically controls a province without a fortress as soon as it has moved into the province. A province with a fortress, however, must either be put under siege or assaulted. Sieges may take a long time; anywhere from three months up to a year is common. The assault may be

quick, but usually with great loss of life. The basic cost for erecting fortifications is 100 ducats, but the price may be higher depending on the country's level of inflation. You may also upgrade existing fortresses to more modern and larger models, but in order to do that you must achieve a certain level of military technology.

FLEETS

As has already been mentioned, a fleet may include three kinds of vessels: warships, transports, and galleys. Warships are oceangoing, heavily armed vessels, representing a number of different sizes and designs. Your level of naval technology is the determining factor. Galleys also represent different sizes, levels of armament and designs, but they differ from warships in that they are less seaworthy on the open sea, and their strength relative to the warship diminishes over time. Their advantage lies in being cheaper to build. Transports are a jumble of different designs, differentiated, like the other types of vessels, by your naval technology level.

Contrary to the condition on land, you cannot control the ocean; you can only try to prevent the enemy from controlling the shipping lanes. Naval warfare was conducted in a fundamentally different way from the battle on land, and reaching what is sometimes known as domination of the seas was a lengthy process. We will attempt to explain this.

Firstly, it was important to defend coastlines and the strategic and important passages that must needed to be used. Enemy fleets could not be allowed to cruise off a country's own coast, as this could mean a sudden landing with disastrous consequences; England lived under this threat for many years, mainly from Spain and France. Moreover, a country could have a narrow canalizing passage such as the English Channel, the control over which would give economic advantages and would minimize the risk of having part of the country cut off from the rest.



The sea zones next to a country's provinces are its national waters. Naval attrition will be minimal here.

To defend a coast from a nearby enemy fleet, it was necessary to go out to sea, find the enemy, and attack, and thus forcing him back to his own waters. This is where interception is important. Since the sea zones were so large, and a fleet could only control a small area physically, it was never certain that a naval battle would occur. Many times, two enemy fleets would keep sailing back and forth looking for each other for a long time without having a decisive battle.

Each fleet actually consists of a main part and several smaller patrols. When the patrols discovered enemy ships, the main part of the fleet was assembled to deal with the enemy fleet. The main problem was finding the enemy and creating local superiority. If you did not succeed the engagement was called off.

After having successfully chased an enemy fleet away to their own port, the defending fleet

would then cruise outside the enemy coast or try to blockade the enemy ports. When a majority of the enemy fleets were eradicated or in blockade, naval supremacy was achieved.

Fleet Movement

Fleets are moved in the same way as army units, the only difference being that the sea zones through which the fleet moves don't belong to anybody. If you move through a zone where an enemy fleet is located, an attempt at naval interception will occur (see Naval Interception.). If the enemy fleet does not succeed with the interception, you will keep moving. If he succeeds or if you deliberately end your movement in that zone, a naval battle will take place. Ports do not count as sea zones, and no interception or naval battle can take place against a fleet in port. However, it may be blockaded if the level of naval technology is sufficiently advanced (see Naval Blockades and Ports).

The speed of warships and transports increases with higher technology while that of galleys remains constant. Bad weather, ice and undiscovered sea zones decrease the speed of fleets.

Naval Interception

When your fleet gets into the same sea zone as an enemy fleet, there is always a chance of a successful interception and an ensuing battle. What happens depends on what respective levels of naval technology the combatants possess, how skilled the commanders are in maneuvering their vessels, and a considerable portion of luck. Luck in this context is all about how the wind blows. The one in the right quarter of the wind usually had the decisive advantage in the era of sailing ships. Note that fleets cruising outside their own coast receive a bonus when intercepting, and that interceptions in certain coastal provinces (Scania, Zealand, the Bosphorus, Gibraltar, and Tangiers) always succeed, due to the tactical advantages for the fleet con-

trolling these constricted passages.

Ports

It has already been stated that certain provinces – coastal provinces – possess ports. You may send a fleet into one of your own ports (i.e., a port in your own country) at any time providing that you control the province where the port is located. You may also send your fleets into the ports of allied countries provided that the country in question controls the province where the port is, and that your country and the allied country together are at war with another country.

Why would you want to send your fleet into port? Firstly, a fleet in port may never be attacked by an enemy fleet, which means that it can be tactically sound to send a fleet into port if the enemy's naval strength is superior to yours. Secondly, fleets don't suffer attrition in port, which means that it is advisable to send a fleet into port from time to time. Note that if an enemy army unit takes control of a province in which there is a port where you have a fleet, the fleet is automatically forced out of the port into the nearest sea zone. If there is an enemy fleet there, a naval battle will take place.

Ship building

Building times vary between the different types of vessels, due to their different levels of advancement. Generally, the higher the level of naval technology a country possesses, the longer it will take to build a vessel. One rule of thumb is that warships take the longest to build, followed by transports, and then galleys.

The cost of building a vessel depends upon a number of factors. Firstly, different kinds of vessels always vary in cost. Warships are the most expensive, followed by transports, and galleys are the cheapest. Secondly, the cost is dependent on which country builds the vessels. Different countries had different naval traditions about the composition of fleets. Some countries, for instance, chose quality above quantity. Note that gal-

leys can only be built in ports along the Baltic Sea, the Mediterranean, the Black Sea, the Red Sea, and the Gulf of Persia, which means that countries by these seas will have naval traditions including the employment of galley fleets. Thirdly, the cost will vary depending on the level of naval technology your country possesses. In general, vessels become more expensive the higher your naval technology level is, since a higher level of technology entails more expensive training and equipment. All vessels are built in units of one ship, although certain coastal provinces can build more than one at a time.

Maintenance cost

The maintenance of your fleets is paid monthly. By accessing your country's Financial Summary you can see how large the sum is compared with your other expenses. You may change the maintenance payments of your country by accessing the naval information window, where you may choose what percentage of the maintenance you wish to pay. The payment must be at least 50% of the actual costs. The size of the maintenance is also based on the size of your fleets; if you have 72 vessels you'll have to pay twice as much as if you'd had 36 vessels. You may disband fleets to reduce the cost of maintenance. Note that your morale will be adversely affected if you pay less than 100% maintenance.

BUILDING/RECRUITING CAPACITY

Each country has a manpower base, limiting the possibility of recruiting army units. When you recruit army units you will see how your manpower base is lowered. Each unit of 1000 infantry, 1000 cavalry or 10 pieces of artillery lowers your manpower base 1 step. There are always a limited number of available young able-bodied men, and there is always a permanent demand for strong men and women if you want your farming to be handled properly in each vil-

lage. This all means that there is a limit to how many soldiers you may recruit. Each province has a manpower value, showing how much it contributes to the armed forces of your country. The manpower base is computed as an annual sum, which increases as time passes. If your country has conquered new provinces or developed colonies into towns, your annual manpower base may increase. It will also increase as time passes because of a general population growth. Your manpower base may also drop if you lose provinces or suffer losses of population for any other reasons. Building ships for your fleets is not affected by your manpower base, as there was a relatively small demand for manpower, compared with the needs of the army units.



If you reorganize a single unit, a new one with a general commander will always be created. If your single unit contains more than one historical commander, use the split button to assign them to different units.

Province limit

There is also a local limitation, or recruitment capacity, when applied to the recruitment of army units or fleets. You recruit your army units in your provinces, which means that the level of development of each province limits each separate recruitment attempt. By appointing officials, upgrading fortifications, and building factories, you improve the recruitment capacity of each province. Note that the population level is the most important factor defining recruitment capacity. If you are raising an army unit or building a fleet in a province, you may not start recruiting a new unit or build a new fleet until the work in progress has been finished.

Improvements

If your country has reached a sufficiently high level of military or naval technology, you may increase the recruitment or building capacity by constructing conscription centers (military tech level 31) and naval shipyards (naval tech level 16). The conscription center is shown as a small military tent, and represents a number of administrative and economic functions in your province, making it easier to establish larger army units. The effect is a tenfold increase in the recruitment capacity of your province, and improved maintenance ability for any army unit in the province (see Maintenance, and Attrition). The province's contribution to the recruitment capacity of your country is also greatly increased. The naval shipyard will change the port symbol of your province, making it larger and colored in gold. The naval shipyard is simply an improved shipyard, with the capacity to build all ship types at a much higher speed, a sort of "assembly line" production of the times. The naval shipyard increases the building capacity of your province tenfold. The first naval shipyard you build also provides one extra colonist each year.

COMMANDERS

A commander leads each army unit or fleet. Commanders have a very large impact on battles (see Pitched Battles and Naval Battles), exploration, and attrition. Commanders are historical or general. The former are well-known generals and admirals who worked during the period and who are regarded as particularly interesting, either because of their skills or their imperfections in battle. The latter come from a "national pool" and have names from history, but none of them were distinguished enough to become historically important. They are something of a cheaper article, but they still mirror the state of training and skill of the country's body of officers.

An army unit or a fleet may have more than one commander, but only one of them will command the unit; this will be the highest-ranking commander, who is also the only one who will add anything to the battle. Note that you may split a unit if you want to take advantage of more than one good commander.

Commanders may die in battles or through random events. If a commander dies in a battle, the second-highest ranking commander will automatically assume command of the army unit or fleet. If the unit or fleet only had one historical commander, a general commander will immediately assume command.

All commanders are assigned a value in each of the skills of Maneuver, Firing, Shock Effect/Boarding, and Siege. Note that each commander is either an army or a navy commander. General commanders always have the same values, depending on their country of origin. Their values may never exceed 4 (2 for the siege value) or go below 0. Historical commanders have unique values that may be much more varied.

Specialists

There are also two kinds of specialists: Conquistadors and Explorers. They function like commanders, but also possess some special functions.

Conquistadors lead army units and receive a special bonus for exploring new provinces. They also receive a special bonus when battling natives, and a very high capacity for maintenance (i.e., small risk of attrition.).

Explorers lead fleets and have a special bonus for exploring new sea zones and bordering provinces. Like the Conquistadors, they have a very high capacity for maintenance (i.e., small risk of attrition.).

HOSTILE ACTIONS

Battles occur when two or more enemy units find themselves in the same province/sea zone. A pitched battle may also occur when an army unit moves into an independent province and encounters a band of natives. You will then see two fighting soldiers/ships, symbolizing the two sides of the battle. Each unit has a long rectangle. The color of the rectangles shows the level of morale and how it changes during the battle. The length of the rectangles shows the size of the unit in proportion to the enemy unit, and how the size changes when the unit sustains casualties. The battle is divided into phases that will continue until one of the sides loses the battle and retreats. Note that you can't control the action during the phases, except for making a voluntary retreat.

The side that either loses its morale and thereby flees (or withdraws, see Retreat) or loses all its soldiers/ships has been defeated. Note that either side may choose to withdraw at any time by giving the unit a movement command to another province/zone. Retreating units will carry a white flag.

Combat Morale

Combat morale is an important factor in battle. If the army unit's or fleet's combat morale falls to the lowest level during com-

bat, then it will lose the battle. Each army unit and fleet has a combat morale value, shown as a narrow rectangle at the base of the unit. This indicates the unit's morale in the scale red-yellow-green. A newly recruited or assembled unit always starts its career with the lowest possible morale. It increases each month until it reaches the maximum level possible allowed by your current level of technology.

The combat morale depends on the naval and land military level of technology, respectively, that your country has achieved. The higher the technology level is, the higher the combat morale. There are some special cases. Firstly, countries with a Reformed, Hindu, or Shia Moslem state religion experience a bonus in combat morale. Secondly, the combat morale in your country decreases for several years if it has suffered bankruptcy. Thirdly, the morale is lower if you pay less than 100 % of the cost of maintenance. Fourthly, fleets consisting only of transport ships have a very low combat morale. Finally, galleys always suffer a low combat morale and are not affected by improvements in naval military technology.

Note that a unit whose combat morale has decreased will recover each month, eventually returning to its maximum morale. It may therefore be tactically sound to wait a period before using a unit with low morale to attack and thereby allow it to "take the bull by the horns" when it is fully recovered.

Pitched Battles

What determines the outcome of a battle? Firstly, the odds, i.e. the relative strength between the army units, are extremely important. Secondly, the difference in level of military technology is very important. Thirdly, the commander is important since his skills of movement, fire, and shock effect will influence the phases of the battle. Furthermore, the outcome of the battle is affected by the side that has cavalry superior-



Mercenaries appear instantly and at full morale. They don't affect your manpower as normal builds do.

ity. This will give the commander scouting information that he may use while commanding the battle, as well as an effective force to send against retreating enemies. Note that cavalry superiority loses its importance in provinces with forests, swamps, and mountains. Finally, the invader will receive a negative bonus when attacking in a mountain province, across a river, or when disembarking in a province containing a hostile army unit.

If you win the battle, the enemy will withdraw and you may either move your army to another province or you may choose to begin a siege or assault against any fortifications in the province where the army unit is standing. The defeated party in a battle withdraws from the province, preferably to a province controlled by its own country or an ally, and which does not contain any hostile army units.

Naval Battles

What determines the outcome of a naval battle? Firstly the odds, i.e., the relative difference in strength between the fleets, are immensely important. Secondly, the difference in naval technology levels is very important. Thirdly the commander is important, as his skill value in maneuvering, firing, and boarding will influence the phases of the battle. Fourthly, the outcome of the battle is influenced by the side that has utilized wind conditions most efficiently, for which your commander is responsible. You cannot influence this, but note that only one side will get the bonus for wind conditions. Warships will fight less effectively when there is no wind at all, giving Galleys a distinct advantage during these conditions. This penalty is decreased as technology is advanced.

If you win the battle, the enemy will retreat and you may either move your fleet to another sea zone or, if you wish and possess the naval technology for it, begin a naval blockade; or simply cruise in the sea zone.

The loser of a naval battle must retreat from the sea zone. If the enemy originally tried to force himself out of a blockaded port, his fleet will retreat to the same port, or else it will retreat to the sea zone which is closest to one of the country's own or allied ports, and which does not contain an enemy fleet.

Retreat

Retreat will occur if either of two conditions are present: when your army or fleet is defeated in a pitched battle or naval battle, or when, during a pitched battle or naval battle, you order your army or fleet to move away from the province where the battle is taking place, i.e. voluntary retreat.

Note that if an army is defeated in a pitched battle or if a fleet is defeated in a naval battle it must withdraw. If, for some reason, there is no province or sea zone to

withdraw to, the unit will be destroyed.

When a fleet or army withdraws, the unit's flag will be exchanged for a white flag, thus marking that you are no longer in control of the unit, that it will not affect the province it withdraws to, and that it is increasingly vulnerable if attacked by the enemy.

When a withdrawing army or fleet arrives in a province or sea zone free of hostile units, the unit's flag reverts to the flag of its country, the player regains control over the unit,



and morale will slowly recover.

Note that it is tactically sound to pursue a withdrawing enemy and immediately resume the pitched battle or naval battle, thus using the advantage of your unit's superior morale.

Naval Blockades

What is a naval blockade? A naval blockade means that you have a fleet in the sea zone adjacent to a port, and that your country has reached the right naval technology level. Your fleet automatically blockades every enemy port bordering on the sea zone. Your fleet will patrol the entrance of the port and thus prevent ships from leaving and calling at the port. A fleet blockading a port can be

attacked both from other sea zones and from the port in question. The fleet will automatically receive the bonus for successfully utilizing wind conditions if it defends itself against the blockaded fleet.

Sieges

A siege commences after a victorious pitched battle in a fortified enemy province, or once an army unit is moved into a hostile province with a fortress but with no enemy army units present. In both cases the army unit must be of minimum size in order to initiate the siege. Normally the size should be equal to that of the unit stationed at the garrison.

Why would you want to besiege a fortress? This is your only opportunity to control the city and thereby the province. A controlled province gives you more points when you or your enemy offers peace. When preparing for a siege, you have a couple of options. Firstly, you may assign a watch detail. This makes it possible for you to maintain a supply line through the province, keep an eye on the fortress, and control the province. Secondly, you may assign the actual siege force. This force will subsequently attempt to take the city by building trenches that are successively extended and advanced, attempt to undermine the fortress walls using sappers, fire upon, and starve the garrison into surrendering.

Each month the garrison's defenses are tested. If they fail, the fortress falls into your hands. Factors that affect this include how long the siege has been in place, the besieged commander's siege experience, the province's terrain (where the fortress is located), the relative difference in artillery, the size of the fortress, and earlier results.

A fortress usually falls sooner or later, but note that your enemy may send an army unit into the province, forcing you to fight and win a pitched battle in order to continue the siege. Another problem is attrition: If the size of your army unit becomes smaller than that of the forces defending the garrison, then the siege is lifted and you may only guard the

fortress. You may of course move additional units into the province and resume the siege. Also note that at any time you may break off the siege in order to leave the province, or assault the fortress.

Assaults

It was noted earlier that an assault may turn out to be very bloody. An example of a failed assault is Charles X Gustavus' attempted assault of Copenhagen in 1659. Assaults may also be successful. Assaulting after a few months' siege is usually a good strategy. But the great loss in combat morale experienced after an assault makes you vulnerable to a quick counterattack that could completely wipe out a hitherto successful military operation.

To launch an assault, click on the assault button in the information window. The assault itself is similar to a pitched battle, with a few notable exceptions. The person launching the assault will win if the enemy's garrison is completely wiped out or forced to retreat (which means it is disbanded). The terrain is of no consequence. Nor is cavalry used during an assault. If the assault is successful, the fortress's level is lowered one step (e.g. from medium to small), although never so low that the province is left without a fortress. Finally, there is a risk that the town is plundered, which significantly reduces the population. Plunder is an abstract phase of the battle that can't be seen, and the player cannot control it since it is the result of soldiers who run amuck.

ATTRITION

Army units were traditionally worn out more quickly than they are today. There wasn't the same level of medical care, the diet was different, and there was a different awareness of hygiene. You marched regardless of the weather, you were seldom dry, and you slept under the stars. Diseases and epidemics flourished and poor nutrition increased susceptibility. To top it all off, there were soldiers who didn't

want to fight. They were simply fed up and escaped as soon as they saw their chance. These are a few factors affecting attrition and are sometimes referred to as one element in the strategic concept of "friction."

In the game, it is of course the case that the more trials an army unit or fleet is exposed to, the greater the attrition. Time also plays a part. Each month the supply level of each army unit and fleet is checked. The result is shown as the number of losses due to attrition.

Land

What are the factors affecting attrition in an army unit? Most important is the size of the unit. Secondly, the allegiance, control, and status (pillaged or not) of the province in which the unit is located. Thirdly, the province's relative richness, i.e. the size of its production, is considered. You may see this information for each selected province in the information window if you click on the church. Also, some types of terrain and the weather in the province may have an influence (e.g. desert or swamps, and winter). Moreover, the attrition rate is affected by the use of the army unit: movements, retreats, battles, sieges, assaults, and whether the unit is able to maintain a supply line. Finally, the attrition rate is lowered in proportion to the commander's movement skill. Note here that one of the great advantages of the Conquistadors above all other commanders is their ability to reduce the attrition rate to a minimum level outside of Europe.

Sea

What factors play a part in the attrition of a fleet? Firstly, the level of naval military technology achieved affects attrition. The higher the level, the lower the attrition. Secondly, it is a matter of where the fleet is located. Attrition is always zero in port, but increases incrementally in the following: sea zones that border on a coastal province, sea zones that



border on another province, and finally sea zones that do not border on a coast. The attrition rises to catastrophic levels if the fleet is located in a sea zone where there is a storm or one that is ice-locked. Further, attrition is reduced in proportion to the commander's movement skill. Also, attrition increases for each month that the fleet is at sea without visiting a port. Finally, attrition increases on galleys operating outside the Baltic Sea, the Mediterranean, the Red Sea, the Persian Gulf or the Black Sea.

All fleet units suffer "attrition" when at sea. When you choose a fleet unit you will find the current attrition speed in the Information window. This is shown in connection with the small skull. There is no attrition when a fleet is in port, which means that you need to send your fleets into port at regular intervals in order to maintain the ships.

SUPPLY LINES

Army units and fleets sometimes suffer attrition, i.e. suffer a loss of lives without having experienced battle. Army units must maintain functioning supply lines in order to reduce the risk of attrition. Historically, a supply line was more or less a caravan of wagons with supplies and necessities that shuttled back and forth between the field units and the supply depots located in more civilized areas. Each army unit has its supply level checked once a month. If the level is high, there is a low rate of attrition; if the level is low, the unit will lose more soldiers.

So what is a supply line? An army unit must be able to draw an imaginary line through provinces on the map to a province that serves as a supply base. There is no limit to how long this line may be. This line may only be drawn through provinces that are controlled by you or your allies and not through those containing enemy units or

provinces that are not held either by your forces or those of your allies. The point is that the line cannot be drawn through a province containing enemy army units or enemy fortifications without a watch detail or siege force assigned to them. Also, the line may not be drawn through neutral provinces (i.e. provinces belonging to countries that are not involved in your war) or independent provinces.

Which provinces may then serve as supply bases? First of all, all provinces with a town or colony, with or without a port, belonging to and controlled by the country. Secondly, coastal provinces controlled by the country (i.e. they do not have to belong to the country) that are not under a sea blockade. Note that you and your allies may use each other's supply bases during war. In addition, note that provinces with trading posts cannot be used as supply bases.

The effect of not being able to draw a supply line is that the attrition rate increases substantially each month.

Pillaged Provinces

Army units often lived off the land of whatever province they occupied. This means that they arbitrarily "requisitioned" whatever they needed. These necessities and moneys were of course taken from the inhabitants of the province. It is therefore quite understandable that provinces where enemy army units have passed through do not contribute as much to the state treasury.

In the game, this means that provinces where a military force (even a friendly ones!) suffers high attrition, either because it is cut off from its supply or the province is too poor compared to the size of the force to feed them with normal means, may be pillaged. Rebel forces can also pillage for more random reasons. You will see that a province has been plundered by the fires around the town or colony of the province. The pillaging pro-

vides a small one-time income to the pillager. The pillaged province does not contribute to the income of the country, and the population growth of the province decreases, which will affect your total income in the long run. A pillaged province will recover after a while, usually 12 months, and then the town or colony will stop "burning."

ECONOMY

OVERVIEW

The importance of a good economy cannot be overrated. The economic wealth of your country determines how much of your resources you can invest into various activities, from research to war. What then, are the cornerstones of your economy? Most of your income will come from production and taxes, which are generated by the population in your provinces, and from trade, which is generated by your merchants in various Centers of Trade.

External Factors

Your country's economy is, of course, affected by what happens in the world at large and what your country does. Two factors that affect your economy on different levels and thereby have "multiple effects" are your country's level of stability and its level of infrastructure technology. If your country suffers reduced stability, all of your income will be reduced together with your ability to invest in research.

War is another scourge since, even if your country's stability is intact (i.e. another country declares war on yours), you will face reduced resources. Pillaged provinces, centers of revolt, sieges, assaults, and many other factors may reduce the population of your provinces and thereby your income.

Remember that you must think relatively. When you look back on the past decade and discover that your annual income has risen 10%, it is not necessarily time to celebrate. If the annual income of your potential enemies

has increased by 50% during the same period, you have lost economic strength in relation to them.

Managing your Resources

Managing your resources is not a miracle drug, but it may significantly simplify your country's challenging path toward victory. "Resources are limited, but goals are unlimited" is an old saying that rings true to this day.

When you use your resources, "balance" is a keyword. This applies both to the monthly balance between income and expenses, as well as the balance between the different enterprises in which you may invest your resources. You could divide these enterprises roughly into three areas: defense, finance, and expansion.

The challenge is to defend your country



The rollover for supportable amount gives a hint on how to increase it. The maintenance cost for excessive units are three times higher than the ordinary cost.

while you are investing in research and upgrading fortresses, appointing public officials, and colonizing the New World. If you can succeed in creating monopolies in trade centers and winning a war or two while avoiding going bankrupt, then your fortune is secured. It's all a matter of keeping the balance.

The Financial Summary

Here you get an overview of the economic state of your country. Remember that the entire economy is affected by the stability of your country; low stability results in low revenues and technology levels, while a high stability rating will optimize both revenues and development. You will also find that income will increase when you upgrade buildings and receive higher technology levels in the areas of infrastructure and trade.

Be careful with inflation. Inflation increases proportionally with the amount of money you choose to receive each month (by minting coins), and by taking loans from the citizens of your country or from other countries. The normal state, where inflation does not increase, is when you do not take out a monthly income; that is, by increasing the amount of coins in your country. At that point you only have your annual income available. Note also that gold mines will increase inflation. If you have gold mines you can never completely avoid inflation.

Your best cure against inflation is the Governor. By appointing mayors to governors you lower the rate of inflation. Remember that inflation is relative; as long as the increases in prices are lower than the increases in revenue, it is not a bad thing, at least not in the short run.

The Budget

The state budget lets you decide on how to manage your resources for development, investments in stability, and public consumption in the form of appointments of officials, diplomacy, and the armed forces.

This may be classified into three separate areas.

The first is research, which results in qualitative advantages. Military units get a higher morale, better firepower, and greater impact. Merchants become more competitive and make greater profits. Infrastructure provides a higher degree of effectiveness in production.

The second area is stability, which affects every area of your country. Stability affects the economy, troop morale, the risk of rebellion in your provinces, and whether your vengeful neighbors will think it wise to attack or not. If one factor is more important than the others, it must be stability. It also affects the total size of your state budget, which means that total investments in technology will be lower over time if you go along with a lower stability, rather than investing in maximum stability.

Your third concern is public consumption, or actually the expenditure of liquid assets from your treasury on a monthly basis. You spend these ducats on more troops, more war ships, more colonists, and more merchants.

PROVINCES AND POPULATION GROWTH

If it is true that your country's economy is its heart, then the provinces are your country's veins. It is in the provinces that everything happens. The economic system is alive with the exchange of goods. This occurs in the market places next to where people live, people who produce and consume.

In other words, the population of a province is directly related to the amount of goods produced, the number of people working, the extent of the trade, and finally the government's ability to receive income from taxes and fees.

This means that every province has a tax value, a production value, and a trade value. These are in direct proportion to the size of the province's population. If the population



If you double click on a slider, it will be locked in that position. However, if a value for a locked slider accumulates to max, stability for instance, the slider will change to the lowest position.

increases, then these three values increase as well, which in the end means that both the monthly and annual incomes increase.

Increase

How then do you increase the size of the population? Note first of all that when we refer to the population we are talking about the town's or the colony's, population, i.e. the provincial center. Each province normally experiences a positive population growth that contributes to an increase in the size of the provincial population each month. You can see the exact amount by clicking on the church in the information window. The amount of growth can be higher than normal if there is a center of trade in the province or in a neighboring province, if there is a factory in the province, or if the province contains the country's capital.

Decrease

The province may also experience a negative population growth (i.e. the size of the population decreases over time). This is likely to occur in provinces where you have founded a colony and in cities located in very inhospitable areas (e.g. in the tropical parts of Africa). The province may also suffer a temporary negative or less positive population growth if the province is pillaged, besieged, or if the province is controlled by rebels.

Instant changes

There are also times when the size of the population changes suddenly and dramatically, either up or down. When you send a colonist, the population will increase by 100 inhabitants, although you cannot send colonists to provinces with a population of 5000 or more. When an army unit successfully conquers a fortress through assault, the population might decrease in size due to a massacre (the soldiers of the time were sometimes very difficult to control). Finally, random events may change the size of the population.

Population and income

So, the larger the population the higher the production value, tax value, and trade value. Trading posts usually have a very low production value and barely any tax value, but have a very high trade value. The colony will be seen as a less developed city. A city has more balanced values, but the production value and tax value may increase significantly as the population increases, while the trade value remains steady. Note that the trade value is not as dependent on the population size as are the other values. What is much more important is supply and demand and the market price, but more about this later.

To get an idea of the population levels at

which these three values are strongly affected, see "levels of development" below. When a city's population has grown so much that the city achieves a new level of development, the three values increase significantly.

Level of development Inhabitants

Colony Level 1	1 – 199
Colony Level 2	200 – 299
Colony Level 3	300 – 399
Colony Level 4	400 – 499
Colony Level 5	500 – 599
Colony Level 6	600 – 699
Colonial City Level 1	700 – 1399
Colonial City Level 2	1400 – 2799
Colonial City Level 3	2800 – 4999
City Level 1	5000 – 9999
City Level 2	10000 – 19999
City Level 3	20000 – 39999
City Level 4	40000 – 79999
City Level 5	80000 – 199999
City Level 6	200000 +

Each level of a Trading post represents 10 persons. These are not subject to growth and decline as ordinary population since they are mostly made up of locals. However, they will be added to the total population if a colony is



For every enemy port you blockade with your fleet, the enemy will lose a part of his trade income. A besieged city with a port will fall much sooner if you also put a blockade on it. A blockaded port cannot serve as a supply source for overseas forces.

established in a province with an existing Trading post.

Sending colonists may increase the population in provinces with a population less than 5000. Also note that if the population size reaches 1000 inhabitants it can never decrease to less than this amount. Remember that stability always has an impact on population growth.

STABILITY

The political culture of Europe during the period was not an isolated phenomenon. How each country should behave in regards to both domestic and foreign policy had already been formulated during the height of the Roman Empire, and had later been developed during the Middle Ages. The ideological starting-point at the end of the 15th century was Christianity as a unit. Civilization was defined within the framework of Christianity and consequently, what constituted civilized behavior between countries. A similar starting-point existed in the Moslem countries, where "country" was not a properly recognized concept. Instead they regarded all Moslems as part of the Moslem Haram. Internally the division of society was frozen, partly because of the division of power between various groups during the late Middle Ages, but also through domestic policy, which could be described as a struggle or game between various groups in society. The monarch naturally played a large part.

You should also be aware of the advantages consequences associated with breaches against "the international rules.". The princes of the Renaissance were soon involved in a highly advanced game of political struggle, where a European hegemony was the goal. In this aspect you should consider the abstract concept of stability. If the monarch broke the formal and informal rules, both his foreign and domestic reputation fell, including the status of his country. The response to declarations of war was often your own declarations of war, which caused a spiral of injustice, war, and revenge

that affected all of Europe.

Stability is thus affected by both the international status of your country, and by the relations between your monarch and his subjects.

Factors that lower Stability

There are several reasons why stability may deteriorate, but the most important are definitely declarations of war. Declarations of war were not regarded lightly by anyone in Europe during the period, perhaps with the exception of the issuer. In other countries the monarchs and the governments viewed any declaration of war with concern, because it might upset the balance of power of the region. You could say that society viewed the country as a person and the declaration of war as a physical attack. You could make this attack if you had good and proper reasons (see Casus Belli), but uncalled for wars were punished by force. As a result of a declaration of war, you could lose prestige and international honor. Add to this the quite negative reactions of the population, as war meant levies, inflation, and raised taxes.

Religion was something that united and divided countries during the epoch. It was thought of as un-Christian and therefore immoral to declare war on a country with the same religion, which meant that the population and the priests reacted quite negatively if any monarch chose that route.

Some other important factors that lowered stability during the period were various political acts of a dubious nature. Breaking foreign promises immediately lowered the reputation of a country and its prestige. The principle of "Pact Sund Servanda" (agreements are binding) was a basic rule already in Roman law, and had been incorporated in the diplomatic life of the times.

A declaration of war without Casus Belli lowers the stability of your country by two steps (-2). A declaration of war with a proper Casus Belli does not affect your stability at

all. A declaration of war against a country of the same religion or against any country that you have an exceptionally good relation with, lowers your stability an additional step (-1). To declare war against an allied country was historically seen as truly degenerate behavior, and will lowering your stability yet another step (-1) if the country under attack has ties through a royal marriage with yours. If you declare war against your own vassal your stability will drop another three steps (-3), while ending your vassal ties without a declaration of war lowers stability by three steps (-3). If you declare war against a country with which you have a peace treaty, your stability will drop by another five steps (-5); in effect, this means that you will become an international pariah. Peace treaties remain in effect for five years.

Breaking treaties, such as the annulment of a royal marriage, could be a good thing for your country in many ways, but the stability of your country is lowered by one step (-1). You are seen as flighty and insecure in your foreign relations, which is cause for strong irritation among any groups of society with strong connections to the country in question. If you decide to sack a vassal your stability is lowered by three steps (-3). Especially the nobility will question your foreign competence. A vassal has subjected himself to your decisions, even though this is mostly of a formal nature, which means that dissolving the relationship is regarded as a sign of your weakness. If you leave an alliance your stability is lowered by one step (-1), which means that many powerful men in the upper levels of society probably have invested a lot of prestige and friendship in the alliance that you are leaving. The same thing occurs if you refuse to honor an alliance; for example, if you do not help a brother when a third country attacks him. It will lower your stability by one step (-1). Sharp foreign turns will create uncertainty about your future direction in the political game. If you refuse

a country the chance to trade at your trade centers you also lower stability by one step (-1). Your neighbors will feel threatened, because what you did against one country may be repeated against another.

Finally, there are five general causes for lowered stability. The first occurs if your country goes **bankrupt**. Bankruptcy occurs if you have taken out five loans from the national treasury (loans from other countries are not counted), and you are unable to repay them when they are due, or when you have taken out five loans, and your monthly costs are higher than your monthly income. With bankruptcy the stability of your country is lowered by one step (-1). The population has lost confidence in the ability of the monarch and the government when it comes to handling your finances.

The same thing applies when you are **unable to repay a loan** from another country, as your stability is lowered by one step (-1). Stability is also lowered if you decide to **raise war taxes** (see War Taxes), which means that you further increase the burdens of your country while lowering stability by one step (-1).

The fourth reason is a **change of state religion**. Changing state religion normally means a huge transformation of society, affecting every level of society. Some of your subjects will celebrate, while others will stage a revolution. Changing the state religion lowers your stability by five steps (-5), except if you change from the Catholic Church to Counter Reformed Catholicism. (For a longer description, see Religion.)

Finally, some **random events** may lower the stability of your country (see Random Events).

Please also note that all effects are cumulative; that is, if you have a stability of 0, and declare war against a country without a Casus Belli, and in addition you have ties to that country through royal marriage, and a

peace treaty, this will lower your stability by eight steps (-2-1-5=-8). As mentioned earlier, you may not have a stability of less than -3, but for each additional step you will suffer an automatic rebellion in each of your provinces.

Factors that increase Stability

This is to be interpreted as the monarch and the government making concessions to various groups of society; for example, a temporary lowering of taxes for the peasants, land grants for the nobility, trading rights for the townsmen, or greater freedom for the serfs. You may also see the cost as part of certain actions, like replacing bailiffs, changing the laws, etc. Finally they may cover the cost of raising the prestige of your country, for example, by holding splendid weddings, raising the magnificence of the court, etc.

You may increase the stability of your country by investing in stability in your state. A certain sum is set aside for this purpose each month, which you may view in the information window. Note that the cost of increasing stability is higher if you have a large country, as you must appease more people. When the

green line has reached its end the stability of your country is increased by one step (+1), and the green line starts anew at the beginning. You cannot raise stability above +3. All investments made when your stability is at +3 will result in ducats for your treasury.

The rate of increases will be lower if you are at war, for each quarter you have been at war, and for each province controlled by the enemy (core provinces are counted twice and the capital is counted as ten normal provinces).

When you are victorious at war, and have managed to annex formerly independent countries (see Annexation), your stability will increase by one step (+1), as your victory will increase your international prestige and make a big impression on your subjects. Note that certain random occurrences may also raise stability.

What is affected by Stability?

To begin with, the **population size** of your cities and your colonies and all your monthly and annual income are affected. During bad times with spreading unrest, the population often decreases. If your stability is low you are probably at war with another country. Your population is decreasing through levies, people running off into the woods, and because of plagues that were often a result of the wars. In game terms you will be able to view the percentage of increase or decrease of your population by clicking the church of a province. If conditions are really bad, cities and colonies may have a negative growth, which means that they are being depopulated.

Population levels determine the **production income** of your provinces, which means that stability will determine the long-term development of your income. The administrative system is also less effective when there is unrest. Bailiffs were not obeyed, roads and communications deteriorated, and people evaded their taxes to a greater extent, resulting in a higher cost of living with lowered



consumption and production. This will mean that your **tax income** will increase and decrease in proportion to your stability. You see this as changes in your annual income and also by checking up on your Financial Summary.

Trade is also affected by the same phenomena. Declines in both domestic and foreign trade were common during wars and during periods of unrest in general. This is portrayed by a connection between your annual quota of merchants and your stability. If your stability is at the lower end – that is, -3 or -2 – you will have great difficulties getting the merchants to do business; they will simply lack all incentive to trade, which lowers your pool of merchants by two (-2). If your stability is at -1 , your pool is lowered by only one merchant (-1). If stability is at 0 or $+1$, you gain one ($+1$) or two ($+2$) extra merchants. If the stability of your country is excellent, $+2$ or $+3$, you gain three extra merchants. In addition, stability affects the ability of the merchants to get into the trade centers, as well as their ability to compete with merchants who are already present.

When it comes down to your **diplomatic abilities**, you may not declare wars if your stability is at the very bottom (at -3). This is partly due to social unrest and the fact that court intrigue is at such a high level that the monarch and the government are unable to deal with anything other than trying to keep the country united. To fight a war at such a time is impossible.

The **risk of rebellion** in your provinces is in direct proportion to your stability. The lower your stability, the greater the risk of rebellions, and vice versa. You can read more about this later in the manual.

Note also that the annual **interest of your loans** varies along with your stability.

LOANS

Loans during this period were as common as they are today, but repayment was not as

common. Observe that loans are not necessarily trouble, only poorly managed ones. Loans are in fact often a necessity. A few examples are when your country wants to build factories or needs to recruit army units quickly for a war that is about to break out. In other words, there will be times in the game when you cannot afford not to take a loan, and then it will be more profitable to take the loan instead of slowly saving money in the bank.

National loan

First of all, you may receive a loan from the country's national bank. This means that you are borrowing money internally from your own subjects. If you do not repay the loan you will suffer the consequences, since your subjects are not likely to trust you in the future.

A national bank loan equals 200 ducats, no more and no less. The size of the loan, however, may change as a result of development of your country's financial institutions (random events). Your country may have no more than five loans simultaneously. Each loan has a term of five years (effective as of the loan date). After five years, the loan is either repaid or extended for five more years. If a loan is extended, then the interest rate on all loans increases. Each month the interest due on all loans is deducted from the monthly income, since the interest is part of monthly costs, as was mentioned earlier.

The level of stability in the country, the number of loans you have taken, whether the country has been declared bankrupt, and whether you have renewed any loans, all affects the interest rate.

International loan

Countries may also lend each other money. You decide the terms when you extend the offer to lend money (in the diplomacy window). Here you decide the sum you want to offer, but you may offer no more than half

the sum in your treasury at any one time. You also decide the annual interest rate, which can be between 1 and 10%. Finally, you decide the loan period, which may be between 1 and 300 months. Note that your counterpart may decline the loan offer. This is a result of the terms you offered and your foreign affairs relationship. If you are offered a loan you cannot negotiate the terms. You may only accept or decline. If two countries that have a loan relationship (one has borrowed from the other) go to war, then the loan ceases to exist, i.e. the lender will never be repaid and the borrower never has to repay the money.

Repayments

Repayment of a loan is always a problem and may sometimes come as an unpleasant surprise. The best way to avoid the surprise is to use the archive effectively (see Archive). Loans from the national bank are for a five-year period, which means they are to be repaid five years after they are issued. You cannot choose to repay the loan earlier because loans of liquid assets had to be repaid in liquid assets, and since the majority of the country's income and expenses was managed within a barter economy, careful planning was required.

Nor can loans be amortized, i.e. paid back a little bit at a time. This is because those who extended the loans obviously wanted to maximize the interest income they received. When a loan is due for repayment, you may choose either to repay it in full, or to renew the loan. Note that if you renew a loan, you are only postponing the problem because sooner or later you will either have to repay or declare national bankruptcy. The latter is very unpleasant and should be avoided at all costs.

Repayment of loans from other countries works a little differently. Firstly, they are not counted toward the five-loan limit. Secondly,

you may simply decide not to pay back the money, i.e. declare that you do not owe the other country any money. This will result, however, in your stability level dropping one level and giving the other country a *Casus Belli* against your country.

BANKRUPTCY

You automatically declare national bankruptcy if your country has five unpaid loans and you either cannot repay one of them on the due date, or if you have five unpaid loans and your monthly income/expense balance is negative and your treasury lacks the funds to cover the difference. Note that if this should



Click on the parchment to choose or view your missions. They can also be viewed on page 2 in the ledger. It's a good idea to have two missions running simultaneously, one just started and one near its completion time. Otherwise you run the risk of letting your monarch decide a new mission for you.

occur and you have less than five loans, then a loan will automatically be taken to cover the negative balance.

When your country declares national bankruptcy the stability level drops one level, since your subjects lose faith in the ability of the monarch and the government to manage the country's finances. You lose a substantial part of all your current investments in new technologies. All loans from the national bank are written off (i.e. disappear) when you declare bankruptcy, but all future loans from the national bank will have a much higher interest rate. Your inflation will also increase. Finally, your army units' and fleets' combat morale drops. This effect will last for several years from the time your country goes bankrupt. The reason for the drop is the general unrest that spread through the troops when they heard that the national treasury, from which their salary is paid, was empty.

INFLATION

In the past, inflation was an even greater problem than it is today, at least in Europe. The reason for this was that they had a lesser understanding of the causes of inflation than today, and that they lacked the political control necessary to suppress it.

As you know, inflation is a function of general price increases keeping a higher pace than individuals' increases in income, as well as the amount of legal tender (i.e. money) circulating in the economy. This was very problematic during the pre-capitalist era, and for good reason. One problem was the differentiated monetary system during this period. It meant that part of the system was a barter economy without money as a means of payment. When money was used there were several different types of coins used simultaneously. The value of the coins was based on the value of the metal of which the coins were made. Generally it can be said that the majority of people used copper coins, the merchants and city dwellers added the use of silver coins, and the government added gold coins to the mix. If, say, the value of

copper dropped then the relative value of silver and gold coins increased, amplifying the effects of inflation for the broad masses of society. Another problem was the subjects' confidence in the quality of the coinage. There were many possibilities for forgery, a fact abused by less scrupulous governments.

What are the effects of inflation? Basically, the price of anything that money can buy will increase with inflation. This includes recruiting army units, building fleets, building or upgrading fortresses, building factories, appointing public officials, etc.

Increasing factors

What will increase inflation in your country? First, it is the supply of gold in your provinces. The problem was that gold could be used for little else than coins. If a country could extract a lot of gold from its gold-producing provinces, then the country's government could use this gold as a means of payment. In simple terms, you could say that the amount of currency in a country must be in balance with the country's total production, and when the means of payment increased disproportionately inflation followed.

The rule of thumb is, then, that gold causes inflation, but at the same time gold production provides a direct profit of liquid assets that the other provinces do not yield.

Secondly, inflation is affected if your country borders on a country that produces gold.

Thirdly, the inflation rate will be impacted for every neighboring country that has higher inflation than your country.

Fourthly, it is affected by each loan your country has taken, since the loan results in liquid assets pouring into your country's monetary system.

Fifthly and perhaps most importantly, it is changed by the amount of liquid assets you choose to withdraw from your monthly income. By withdrawing liquid assets in this way you are financing public consumption through the production of coins, which in

modern terms is usually referred to as "starting up the printing press" (for bank notes).

Decreasing factors

It is almost impossible to avoid inflation completely, but through a planned and well-executed economy you may lessen its effects. One thing you may do to control inflation is to appoint mayors as governors. They are efficient inflation fighters and each appointment lowers inflation by one percent.

You may conquer and annex neighboring countries that have a higher inflation than yours, but for obvious reasons this is hardly cost-effective. Choosing to cede gold-producing provinces through peace treaties isn't an alternative either since these provinces are some of the richest in the world. There were, after all, more reasons than just establishing trading posts for why Spain chose to colonize America.

You may, however, attempt to avoid taking loans, or at least take as few as possible and pay them back on when due. To never withdraw part of your disposable monthly income as liquid assets is a near impossibility, but not doing it unnecessarily is a virtue.

SOURCES OF INCOME

Production and taxes were an important part of a province's economy, but very few countries were autarchies, i.e. self-sufficient. Different countries' inhabitants were variously proficient at producing different products, and some countries lacked the necessary prerequisites to produce some products. Switzerland does not produce a lot of fish, and Sweden does not produce a lot of ivory. Trade started as a means to acquire all the goods that a country needed but didn't produce.

As was mentioned earlier, each province has a tax value, production value, and a trade value. You could say that a province's tax and production values benefit the country to which the province belongs, while a province's trade value goes into a pool from



The auto-send option is not specific for any particular Center of Trade. The AI will decide where to send them.

which every country can compete for the profits using merchants.

We distinguish between annual, monthly, and other incomes.

Annual income

The annual income is received at the start of each new year and comprises a Census Tax, Tolls, and Trade Tariffs. When you receive the annual income, the funds are placed in your treasury at your disposal.

The Census Tax is a fixed tax that was assessed per inhabitant and in the game it is based on the sum value of your provinces' taxes.

In reality, tolls were the fees that the state charged on goods as they were transported from one place to another within the country, and it was through these that the government attempted to control trade by channeling goods to only a few cities. The size of the tolls depends on your country's level of trade technology, as well as the size and number of cities, colonies, and trading posts that belong to your country.

Trade tariffs are a fixed fee that merchants must pay in order to run their business in the

trade centers that belong to your country (i.e. those located in one of your provinces). The trade tariff is 5 ducats per merchant.

Monthly income

The monthly income is received once the monthly cost (more about this later) has been deducted. The monthly income comprises Tax Income, Production Income, Interest on Extended Loans, and Income from factories. The monthly income is to be distributed. You may invest in stability, research in areas of technology (land military, naval military, trade, infrastructure), and make "withdrawals" to cash.

The exact composition of tax income varies from country to country and period to period, but historically it may be said in general that land taxes and informal fees (e.g. salt fees, etc.) made up the largest part. Tax income is based on the sum value of your provinces' taxes. Production income tradi-

tionally came from the sale of products from the royal grounds, as well as the sale of official offices and a throng of various minor fees aimed at the subjects' production and consumption. The production income is based on the sum value of your provinces' production. Trade income derived primarily from an indirect tax on international trade, but during the Mercantile era also became a political method of attempting to subsidize the development of the country's means of production. The trade income's size is a result of the total number of merchants your country has stationed in foreign centers of trade. Interest on extended loans is exactly what it says: the interest you earn on the loans you have made to other countries (see Loans). Income from factories is the income that the state receives, partly due to the special prices that the governments' own institutions enjoy when buying the factory products, partly because the state often owned part of the factories and thereby received part of the profits. These incomes are dependent on how many factories your country has and of what type.

Other income

The other sources of income lack regularity and appear on special occasions when the income appears as liquid assets in your treasury. These can be gifts from other countries, new loans, tributes paid as a result of a peace agreement, the levying of a war tax (see War Taxes) as well as random events.

Such things as the stability of the country, the national level of inflation, and the level of technology at which your country's infrastructure operates affect both the annual and monthly incomes.

Monthly expenses

In terms of expenses there are only monthly expenses and other expenses. In other words, there are no annual expenses. Monthly expenses include the cost of maintaining a



military and the interest on loans you have taken. As mentioned earlier, the monthly expenses are deducted from the monthly income before it is received. If the monthly balance is negative, the difference is withdrawn from the treasury. If there isn't enough money to cover the difference, or if the treasury is empty, then your country is automatically forced to borrow money. If your country already has borrowed the maximum five loans allowed at any one time (see Loans), then it is automatically declared bankrupt.

The other expenses lack regularity and appear on special occasions at which the cost is immediately deducted from the liquid assets in your treasury. These include gifts to other countries, repayment of loans, payment of tributes as a result of a peace agreement, as well as random events. Included in other expenses are the variable costs incurred when recruiting army units, building fleets, appointing officials, building or upgrading fortresses, and sending out colonists, traders, and merchants.

War Taxes

War was associated with standing armies and armed fleets during long periods. Moving troops through the kingdom or making the fleets seaworthy almost always required good coin. The money covered running expenses for supplies and ammunition. Money was also needed to strengthen already recruited army units. Attrition because of friction was as high then as now, although it was caused by other reasons then.

War taxes are a generic name for a number of smaller taxes that were justified due to the country's involvement in a war. The populations were rarely very fond of all of these special taxes, war contributions, war taxes, or lack of compensations for the activities of the state.

When choosing war taxes as an option, you will get a substantial increase in income

from each of your provinces during a 6 month periods. The price to pay is a loss of stability of one step, but you can't call for war taxes if your stability is already at -3 . You should really consider if this extra income is more important than the cost of regaining your stability. If not, you should save this measure for any truly desperate situations.

PRODUCTION AND GOODS

Production is, of course, the foundation of any economy. The inhabitants of a province produce goods and these goods are varied, but usually one or a few stand out as characteristic for a province. Using modern terminology one would speak of "comparative advantages," i.e. if a province is best at producing a certain product, then that product should be the one they produce. It isn't difficult to see that it is better to produce wine and feta cheese in southern Europe, and timber and furs in northern Europe rather than the other way around. Therefore, in this game each province has a specific product that they produce. This should be seen as the most important product in the province (after all, historically every province produced grain and/or fish).

In general terms you could say that the value of half of the production in a province becomes a direct income for the country owning the province, while the second half becomes available for any nations' merchants to grab in the center of trade to which the province belongs.

Base value of goods

For obvious reasons, products have different prices on the market. The market price depends on supply and demand, but also on what we call the product's base value. What is base value? Today there are relatively few new products that have never been seen before, but the pricing mechanism is affected by advertising and trends. During the period of the game there were similar factors that affected pricing. New, exotic goods created the same kind of "higher value" as our trends

today. Status was not only as important then as it is now, but it was more visible. Open and boastful consumption brought status and showed everyone what a great person you were. Base value is, in other words, the difference in value that is caused by reasons not normally taken into account by the pricing mechanism.

The list below shows the products found in this game and their base values.

Low – Grain, Wine, Wool

Normal – Cloth, Coffee, Copper, Cotton, Fish, Fur, Iron, Salt, Slaves, Tea

High – Ivory, Naval supplies, Sugar, Tobacco

Very high – Chinaware, Spices

Gold is not traded and is not given a base value. However, the production value is automatically converted to liquid assets. Below you will find a more detailed description of each product and what affects the demand side of the pricing mechanism.

Supply and demand

The base value of all goods has a modification to achieve their market price. These will vary greatly over time, however, the base values sets a certain limit. Even under the most extreme situations grain will have a lower market price than, say, spices.

Supply of a specific product increases as more provinces producing it gets colonized and exploited by increased levels of population or trading posts. A higher supply means a lower price. The demand of different goods will increase for different reasons as explained in the following list. A higher demand increases the market price.

Chinaware – When more factories, conscript centers and naval shipyards are built; and when more cities appoint chief judges and governors.

Cloth – When more trade good factories and conscript centers are built.

Coffee – When more factories, conscript centers and naval shipyards are built and when more cities appoint chief judges and governors.

Gold – The value of gold is not affected by supply and demand. The more gold that is extracted globally, however, the more inflation increases for all countries in the game.

The countries mining gold will experience even greater inflation.

Copper – When more weapon factories and naval shipyards are built.

Cotton – When more trade good factories are built, as well as when provinces that produce cloth are colonized.

Fish – When more factories, conscript centers and naval shipyards are built.

Furs – When more factories, conscript centers and naval shipyards are built, as well as when an increasing number of cities appoint chief judges and governors.

Grain – When more factories, conscript centers and naval shipyards are built.

Ivory – When more factories, conscript centers and naval shipyards are built and when more cities appoint chief judges and governors.

Iron – When more weapon factories and naval shipyards are built.

Naval supplies – When more shipbuilding plants and naval shipyards are built.

Salt – When more factories, conscript centers, and naval shipyards are built.

Slaves – Increases as more provinces that produce cotton, sugar, and tobacco are colonized.

Spices – When more factories, conscript centers and naval shipyards are built; and when more cities appoint chief judges and governors.

Sugar – When more breweries are built.

Tea – When more factories, conscript centers and naval shipyards are built and when more cities appoint chief judges and governors.

Tobacco – When more factories, conscript centers and naval shipyards are built and when more cities appoint chief judges and governors.

Wine – When more factories, conscript centers and naval shipyards are built.

Wool – When factories, conscript centers and

naval shipyards are built.

Description and historical background

Cloth represents various fabrics and raw materials for clothes that were used during this time period, primarily fleece and wool, but also linen, rough homespun, etc. Once the plantations started up in America during the 18th century and trade with India increased, cotton also became a raw material in the production of cloth.

Gold and silver were the basis for the entire monetary system in Europe, and they were much-coveted raw materials. The discovery and exploitation of gold deposits in Central and South America made some European countries very wealthy, but also increased inflation and significantly lowered the value of their currencies.

Cotton originally came from Central Asia but was not commonly used in Europe until it was successfully planted in the American colonies. It was used as an inexpensive and adequate complement and substitute for wool in the emerging textile industry of the 18th century.

Fish was not only the basic source of nourishment for historical Europe (meat was considered the luxury food of the upper class), but also the entire fishing industry also contributed to considerable shipbuilding. Fishermen were the primary manpower for most naval military fleets.



Right clicking in a province brings up a list with usable shortcuts. The lists are different depending on the ownership of the province.

Furs were the basis of high quality, warm clothing and came from a number of different animals such as sable, fox, mink, bear, and wolf. The highly desirable furs originally came mainly from Scandinavia and Russia, but as America was colonized this also became an important source up until the middle of the 18th century.

Grain represents the different vegetables that constituted the foundation of the daily diet (i.e. bread) for both humans and domesticated animals. The lack of grain nearly always led to uprisings and rebellion. The European cereals – especially rye, oats, and barley – were later joined by tomatoes, corn, and even potatoes, which provided a significantly more varied diet.

Ivory was one of the most important trade goods from Africa alongside the slave trade. Ivory was highly sought after by the craftsmen of Europe, who used it to make eating utensils, jewelry cases, reliquaries, instruments, ornaments, furniture, etc.

Iron includes iron and similar metals except copper, lead, and precious metals. Iron was the most important raw material of the entire metal industry, and was used for weapons, tools, shipbuilding, reinforcement of buildings, etc.

Copper also includes metals such as tin, zinc, lead, and silver, as well as gems. Copper is one of the ingredients in brass and therefore important to the early foundries, but it was also used in its pure form or in other alloys to manufacture receptacles, weapons, armor, and cannons. The metal was also used to make coins and objects of art.

Chinaware includes various exotic trade goods such as silk, porcelain, carpets, gems, ebony, and other arts and crafts manufactured in India, China, Persia and the Far East. Since every object of this sort was completely unique in Europe, the merchants and sea captains who succeeded in bringing home a couple of objects often received astronomical sums.

Naval supplies represent all of the different

raw materials necessary for shipbuilding, from timber and canvas to tar, hemp, and ropes. Originally most of these raw materials came from Scandinavia, but later North America became an increasingly important source.

Salt was as important a part of the domesticated animals' diet as it was for the humans. It was also the only way (apart from freezing in the winter) of preserving food. They used either the mineral salt from the mines in Central Europe, or the sea salt extracted by evaporation at sunnier latitudes.

Slaves had been an accepted commodity for trade since antiquity, but demand increased drastically when they were needed as labor on the North American cotton, tobacco, and sugar plantations. Slaves were an important commodity in the Moslem world long after the time when slave trade was more or less abolished in Europe.

Spices were known in Europe since antiquity and were used for food preservation, seasoning of rather rotten food, and for alleged healing properties. Pepper, ginger, nutmeg, cinnamon, etc., were shipped from East Africa,



The color of the disc of the capital indicates the level of stability. A red outline around the stability icon indicates that you are at war. The anchor symbol for a port changes into a wheel when it harbors a fleet. The gold color indicates a shipyard.

India, China, and the Spice Islands (today called Indonesia) to the markets in Alexandria and the Middle East. The European call for a faster and less expensive supply was the main reason for the first Portuguese explorations eastward.

Sugar was used not only as a seasoning but also as a preservative. At the time cane sugar was the only known source of sugar, and it was originally cultivated near the Mediterranean. The plantations in America, primarily in the Caribbean, quickly took the lead, however.

Tobacco was unknown in Europe until the first Conquistadors returned home from America during the 16th century. It quickly became fashionable in the upper classes to smoke the expensive tobacco, which led to a quick economic boost for the British colonies on the North American East coast and in Portuguese Brazil.

Wine had been produced in southern Europe for as long as anyone could remember and was a regular feature in the daily diet, with the exception of the Moslem world. Wine was not considered exclusive, but was probably a rather welcome relief from the pains of everyday life a couple of hundred years before penicillin, antibiotics, and sterile environments. In northern and Eastern Europe mead, beer, vodka, and low-alcohol beer were similarly used as mealtime beverages.

Wool came primarily from the flocks of sheep that were kept in Europe and Asia's more distant corners, and together with linen constituted the main raw material for clothing before the arrival of cotton.

TRADE AND MERCHANTS

Historically you could say that the global economy did not exist until the discovery of America. The easiest way of looking at the global economy of that era is as a number of adjacent local economies. These local economies were connected to each other with sometimes weak, and sometimes strong ties. The ties consisted of course of the merchants,

and the power connecting them was external trade. The greater the number of local economies connected, the more trade increased. When trade increased, both demand and supply increased, giving rise to global trade over time.

Each province in the game belongs to a center of trade. Goods are exchanged at the center of trade, prices are fixed, and profits and losses are divided through the care of invisible hands. Trade during the early-modern period had much stronger ties to the state and the monarch than today. The merchant's send-off into the world probably belonged to some public or semi-public trading company.

Every province has a trade value based on the size of the population and the market value of the product. The trade value is placed in the trade center to which the province belongs, which you may see on the trade map by clicking on the Goods symbol in the information window. All trade thereby takes place in the globally distributed centers of trade. The trade income your country receives depends on the number of merchants you have sent to the trade centers around the world, i.e. your income is directly proportional to how much of the trade your country controls.

Centers of Trade (CoT)

The economical effects of trade should not be underestimated. A raised level in trading technology with lots of provinces and trading posts, the trade centers will turn into veritable gold mines for anyone managing to maintain a monopoly. Note also the importance of having a CoT within your own country. New colonies and trading posts will almost exclusively end up under the authority of your own CoT. This will increase both your immediate profits, and also the trade value of your CoT. It is also easier to be competitive in your own CoT, but more about that later.

A CoT covering a low number of provinces, with commonly available goods (such as grain, wine and wool), has a lower trade value and will provide lower revenues, than a CoT covering several provinces, trading with exotic goods such as ivory, chinaware, and spices. When many countries appoint merchants in the same CoT a veritable trade war may very well erupt.

Trade income

Your country's trade income depends primarily on three factors: the trade value of a Center of Trade, your trade level in it and your trade technological level.

In each CoT a country may have anywhere from no trade level (i.e. does not control any trade there) to trade level 6, which means they have a monopolistic status. More than one country may have the same trade level except only one can have trade level 6, since only one country may have a monopolistic status. The reason the term "monopolistic status" and not "monopoly" is used is simply because a country with trade level 6 may still accept that other countries trade at the center.

Second, your country's trade technology level plays an important part. The concept "trade technology" perhaps sounds a bit strange, but it is a generic term for a number of innovations in the areas or transportation, measurement, credit systems, accounting systems, administrative and financial advances such as corporations and insurance, and corporate law. The higher your country's level of trade technology, the greater your trade income from all centers of trade; and each merchant is given greater competitive power in the battle over market shares.

At each CoT there are 20 trade levels that may be occupied by the merchants. When the trade income is distributed your country receives as large a share of the total trade value of the trade centers as the number of

trade levels you hold divided by 20 (the total number of trade levels), and finally multiplied by your country's trade technology level divided by ten.

Example: Curland has trade technology level 3 and four trade levels in the CoT "Novgorod" (total trade value: 200). The formula reads: (Curland's trade levels / 20) x total trade value x Curland's trade technology level / 10 = Trade income from the CoT. Curland would in this case receive $(4 / 20) \times 200 \times 3 / 10 = 12$ ducats from the trade in "Novgorod."

As mentioned earlier, monopolistic status (trade level 6) usually gives you extra trade income. It's because you are credited for all the "empty" trade levels. It seems you have more trade levels than you really own.

Example: Spain has trade level 6, England trade level 3, and Curland has trade level 2. Since there are 20 trade levels at a CoT, Spain may count on $6 + (20 - 6 - 3 - 2)$ trade levels = $6 + 9 = 15$ trade levels, which gives them $15 / 20$ (75%) of the CoT's total trade value.

Merchants

Your country's merchants' guild will grow each year. You earn one merchant for every CoT within your country's borders, one merchant for every CoT where your country has a monopolistic status, one merchant if your country has achieved trade technology level 5, one merchant for every core province that is also a coastal province, one merchant for every two coastal provinces if your state religion is Reformist or protestant (to a maximum of three merchants), and finally the level of stability is deducted or added depending on whether it is negative or positive. By increasing your Domestic Policy towards Free Trade you will also increase the rate. Your country does not have to send out the merchants immediately upon receiving them but may instead save up to six merchants at a time.

Deploying merchants costs money. It is

more expensive to dispatch merchants abroad than in your own country; this cost increases as your merchants are sent farther from your own country. You may also choose to automatically send the merchants to the centers of trade. This you do at one of the centers of trade. Observe, however, that in this case, you cannot control where the merchants are sent. The computer will instead calculate which placement is the most profitable for your country and send the merchants as soon as there are ducats in the treasury. Also note that you cannot send merchants to trade centers located in countries that are carrying out a trade embargo against your country.

Competition

The competition at a CoT depends on how many merchants have been sent there. Each CoT has 20 trade levels, either empty or controlled by one or several (up to 20 different) countries. If no level is empty, every successful placement of a new merchant will be on another country's expense, as they will lose one level while you gain one. It takes at least a month to resolve this.

A country with monopolistic status can continue to send merchants to the CoT as long as there are merchants of other nationalities present, in order to drive them away. The competitiveness of the merchants depends on the relative trade technology level of their country, the administrative skill of their monarch, which trade level they have already achieved at the CoT in question, and the stability of their country. Additional factors that may affect their competitive ability are: whether there is a trade embargo in place between competing merchants of different countries; if the CoT in which the competition is taking place lies within either of the competing merchants' own borders or not.

INVESTMENTS

UPGRADING THE INFRASTRUCTURE



Your country's income is dependent on the provinces and their ability to generate it. How can you affect the provinces' tax, production, and trade value in addition to increased population as discussed earlier? By appointing public officials and building factories.

Public officials

One should view the appointment of public officials in the game as a development over time from a decentralized semi-feudal political system to an increasingly centralized political system. The political reform introduced during the period of the game had strong ties to the organization of the country's economy. In countries with a semi feudal economy such as Poland-Lithuania and the Ottoman Empire, the political development toward a more centralized society could quickly come to a halt

Tax collector – The bailiff can be appointed tax collector (infrastructure technology level 1 is necessary), which means that the province's tax value and production value increase, while at the same time the risk of rebellion in the province increases. The population does not approve of the introduction

of an efficient tax authority.

Chief justice – Provided that you have appointed the bailiff as tax collector you may appoint the legal counsel to chief justice (infrastructure technology level 3 is needed), which further increases the province's tax value and lessens the risk of rebellion. The population is justified in feeling more secure with an efficient justice system.

Governor – You may also appoint the mayor to be governor (infrastructure technology level 5 is necessary), which increases the province's production value and population, while at the same time lowering the country's inflation. This is natural since the highest public official has higher status and authority to control and manage the province.

Factories

Historically the number of proto-companies and proto-industries determined the relative importance of the various regions of Europe in economic, political, and social status.

The refinery was usually a semi-governmental distillery, which could produce alcoholic beverages at a reasonable price and in much higher quantities than at home. Liquor became an important export to foreign countries and colonies. Liquor also became a part of the social intercourse among both high and low. The calming effects of the intoxicating beverages lessened social anxiety and increased the fighting ability of soldiers and sailors in harsh conditions.

Naval equipment factories were a number of smaller factories producing rope, rigging, treated hemp, and flax and sails. Naval equipment factories are necessary if you want to achieve the status of naval nation, because all of these goods are in demand if you are going to build ships.

The fine arts academies were not actually places of manufacture, but places where the atmosphere and environment were designed to attract artists such as singers, philosophers, historians, academics and learned men. The fine

arts academy also contains a number of things, which attract these people, such as universities, theaters, opera houses, churches, and magnificent castles and palaces. They had immaculate botanical gardens, and you could also find the occasional triumphal arch.

The weapons factories consisted of a number of different production facilities. These were advanced furnaces, smithies, and foundries, and they could also contain mines and facilities for ore processing.

Goods factories are a generic term for all the specialized smaller workshops producing goods for export. Mostly these include refined cloth, cotton, and tobacco, but other luxuries may also be included, such as ivory, furs, spices, and oriental goods, or even the packaging and handling of fish, sugar and salt. The spread of the goods factories comprised the origin of industrialization, a catalyst for huge trade volumes and capitalism in general.

Your nation may invest in factories, which are specialized buildings of great importance to your nation. You may only build one factory in each province.

Factories provide a monthly income, as has been discussed above. Additionally, they affect research in their respective fields of technology, lessen the risk of rebellion, increase the demand for certain goods, and increase the rate of population growth in the province where the factory is located. There are five buildings that are called factories: refineries, naval equipment factories, fine arts academies, weapons factories, and goods factories.

Refineries may be built when you have reached technology level 2, providing an extra monthly income if the refinery is placed in a province producing sugar or wine. Every refinery provides a research bonus in Trade.

Naval equipment factories may only be built when you have reached naval technology level 5, providing an extra monthly

income if it is built in a province producing naval supplies or fish. Each factory you build provides a research bonus in naval military technology.

Fine arts academies may be built when you have reached infrastructure level 4, and it provides an extra monthly income if you build it in your capital province. Each academy provides a research bonus for stability.

Weapons factories may be built when you reach land military technology level 17. They provide an extra monthly income when building in provinces producing iron or copper. Each factory provides a research bonus in land military technology. To have a weapons factory is a definite plus in the technological struggle for advantages on the battlefield.

Goods factories may be built when you reach infrastructure level 6. Each goods factory provides a monthly income if built in provinces producing cloth, cotton or tobacco. Each factory provides a bonus in research in the area of infrastructure.

TECHNOLOGY AND DEVELOPMENT

This game starts in the late Middle Ages when armored knights, crossbows, and halberds ruled the battlefield. Then comes the Renaissance with the first firearms and the drill. It ends with the late Bbaroque period with well-trained and drilled mass armies in perfect squares and scientifically formed sieges. Under such conditions it is of utmost importance that you develop over time.

Your nation has four areas of technology. Research is automatic in these areas and the level of technology in each field increases over time. This basic research is slow, but may be improved by investments. This means that you may choose how much of your monthly income you want to spend on research in the various fields on a regular basis, but you may also directly invest in one or more areas of research. The direct invest-

ment cost 200 ducats and provides a technology advancement equal to 100 ducats spent over time. Note that you may only invest directly in a field of technology once per year. All investments are made in your state account. When enough research has been made within a field the level increases by one step. If your nation has reached the maximum level in a field of technology at the end of the game, all investments in that area are transferred to the treasury.

The four fields of technology are: Land military technology, Naval military technology, Trade level and Infrastructure.

In addition to the investments mentioned above, research is influenced by the military and administrative skill of the monarch with reference to trade and infrastructure, which both influence land and naval military technology. Also, you receive a negative research bonus for every trade embargo your country has received, as it prevents influence and impulses from abroad. The levels of your neighbors in those areas influence all areas of technology. It is also linked to the technology group of your country, which will be explained later. Finally, research is cheaper if your country is small (containing fewer provinces) than if your country is large (with more provinces), as applying and coordinating research and introducing the results requires more time in larger countries compared with the smaller ones.

Note that every consecutive level of technology becomes more expensive over time. This is due to inflation and the increase of your income, as well as the fact that innovations in time become more highly advanced and need more resources. Technology does not really advance until the Industrial Revolution.

Areas of Technology and Research

There are four areas of technology in the game; Land military, Naval military, Trade and Infrastructure.

Land Military Technology concerns the innovation and change of weaponry and equipment; e.g. firearms, standardized uniforms and new systems of maintenance and support, but also tactical and strategic developments such as formations and the introduction of the dragoon on the battlefield. Sometimes advances in natural science may have immediate effects on warfare. Your land military technology affects all of your army units. The higher the level you have attained, the higher the firepower, the shock effect, and the morale of your units will be. It should be noted that in pitched battles, the most important factor is the relative strength of the opposing forces.

Naval Military Technology comprises innovations and changes in weaponry, equipment and new types of ships, e.g. new naval artillery types, roping and rigging in new materials, new navigational techniques, the introduction of the frigate as a heavily armed vessel, etc. Also included are tactical and strategic advancements such as new flag signaling systems, new battle arrays and new



If the vassal button is highlighted, you can create at least one new country.

improved ways of maneuvering.

Sometimes advances in natural science may have immediate effects on naval warfare. Your naval technology affects all your fleets. The higher the level you have attained, the higher the firepower, the shock effects and morale of your fleets, as well as an increased ability to use the winds and the sea. As with pitched battles, the important factor is the relative strength of the opposing forces.

Trade is not technology in itself, but a development and refinement of the rules and methods that make trade more effective and profitable. Examples are transportation, measurements, and systems for credit, book-keeping, administrative and financial innovations like companies and insurance, and the right of commerce. Trade technology affects the income of trade and the competitiveness of your merchants.

Infrastructure is not technology either, but a generic term covering the changes in society, which increase governmental influence and efficiency of the economy. The systems of transportation are another example. Additionally we should mention factors such as new improved systems for taxes and fees, a functional national banking system, the bureaucracy of the state management, partitioning of land and crop rotation, and changes in the guilds. Infrastructure affects all your income except trade revenues.

Cultural Technology Groups

Each nation belongs to a technology group, which may never be changed. The technology groups represent the different political and social attitudes, along with cultural and religious beliefs about and against new technology. The difference between the technology groups is the rate of research. The groups are listed below in technological order of effectiveness (from the slowest to the fastest):.

Exotic: Generally all nations having a pagan state religions, with the exception of some minor Moslem countries in Africa and Asia.

Chinese: Far East Asian and South-east Asian

nations, chiefly China and Nippon.

Moslem: Generally all nations in Europe, North Africa and the Near East with the Moslem state religion.

Orthodox: Generally all nations with the Orthodox state religion, including Hungary, Poland-Lithuania, Moldavia and Wallachia.

Latin: All other nations.

Investing in Stability

Stability is not technology as such, but as we mentioned earlier, it is a generic term for the political and social state of your country. You may divide your monthly income as "investments" in stability or you may make point contributions in the same way as in the other technological areas. This investment is actually the cost of countering and pacifying various upset social groups. It should be noted that when your country's stability reaches its maximum (+3) the entire sum invested each month is paid out in real ducats instead. It is therefore wise to watch this development, in order to reset the distribution of your investments so you won't get unnecessary inflation.



If you can't locate the place of the new country, type "?" and use the search function.

DIPLOMACY

Diplomacy was developed during the second half of the 15th century from the legislative system of the Pope into an effective and organized tool in the hands of the rulers at the beginning of the 16th century. The diplomat was the personal representative of the prince in all foreign courts, and it was his duty to defend and strengthen the interests of the prince. There were also many different types of diplomat, but all of them are gathered under this name. Envoys had special tasks, while ambassadors had the highest rank and were accredited to foreign courts, performing all sorts of tasks for the prince. The most important matter was that the informal rules for exchanging diplomats were formalized and became part of the civilized behavior between the countries. The "rules" also protected the diplomat against arbitrary violence.

In the game we only talk about diplomats. The diplomats represent the ability of your country to use non-violent power and to maintain relations with other countries. By sending diplomats your country may present gifts, deliver insults, discuss royal marriages, or even declare war or make offers of peace. The two most important factors governing effective and productive diplomacy are access to money and the amount of available diplomats.

Power, violence and diplomacy are intimately connected. Earlier diplomacy was talked about as the "first tool" of the monarchs and war as the "ultimo ratio regum," or their last argument. In the classic lines of Carl von Clausewitz, war is "the continuation of politics using other means." Frederick the Great once said that diplomacy without power is like an orchestra without notes.

The diplomatic and military means may thus be seen as alternative ways of reaching the same goal – influencing another country in a desired way.

So the nations of the world may be regarded as a very large and quarrelsome family,

where each member is a separate country. Just like in a large family, there are members with different amounts of power, and they are able to enforce their will in varying degrees of success.

Relations

Your country has a specific relation to each other known country in the game. This relation may vary between -200 and +200, and may be influenced by many different things. To start with, you should note that relations change much more slowly if they are very good or very bad, but quicker if they are neutral. The second item to consider was the view of the untouchable rights of the princes to their own countries, which meant that a declaration of war without a good reason (Casus Belli) was quite unacceptable. The same thing applied to the annexation of formerly independent nations.

The relation between your country and another country is affected positively if there is a royal marriage between members of your royal families, and if you are part of the same alliance. Countries with which you have this sort of tie are less affected by any negative acts performed by your own country. But the opposite also applies; for example, if Sweden declares war on the Teutonic Order, then the relations between countries with marriage ties to the Teutonic Order and Sweden will deteriorate more than with any other country.

Alliances are also important for your foreign relations. By entering an alliance your relations to your brothers in the alliance will improve, and continue to do so as time passes. In addition, the members of your alliances are much more indulgent toward your hostile acts against any countries that are not part of the alliance.

Religion is another important factor regarding relations. Your levels of tolerance toward various religions affect the relations of your country. If your country has a high level of tolerance toward a specific religion,

your relations will improve as time passes, while they will deteriorate with regard to religions where tolerance is low.

Annexations will almost certainly have a negative impact on your relations. It is perhaps not so much a question of loyalty to the expelled monarch, but the painfully realized awareness that all annexations disturb the balance of power between the various countries.

Neighboring Countries

Your neighbors are naturally of great interest to you, whether they are your allies or your enemies. Normally you know about your European neighbors and their provinces, but usually you know nothing about the non-European countries. You must discover them. You are also only able to send diplomats to a country if you know about it, and diplomacy is one of your most important tools for survival and expansion.

Diplomacy

Diplomacy can be used in many ways. The diplomats you send out are your tools when you want to achieve something. What is it you want to achieve? You can offer royal marriages or alliances, or take up such offers. You may declare war or offer peace. You may try to exchange geographical knowledge, and you may create better relations to other countries through gifts and tokens of respect, or worsen relations through insults and bans. Royal marriages are a good thing. They improve relations and make it difficult to carry out declarations of war. The alliances you enter are also important, as you will easily fall prey to other alliances if you do not belong to any. It is quite possible to defend yourself against another power, but if three, or even four, other countries attack, you are in deep trouble.

In order to use diplomacy you click the diplomacy icon below the information window. This opens a diplomacy menu for your

country. You may look at another country on the map at any time. By clicking the "coat of arms" of that country you may review the diplomatic situation of that country. You have a number of choices in your diplomacy menu. By clicking an option, that diplomatic mission will be performed and you will have one diplomat less. Note that if you make an offer of royal marriage or an alliance the monarch will not automatically accept the offer. The deciding factor for such a decision is your previous relations. If you have attacked and occupied a number of small and innocent countries your potential allies will naturally treat you like an international pariah.

Use of Diplomats

Diplomats will use any kind of communication between countries. When you wish to present a gift, declare war, make offers of marriage, etc, you send a diplomat, which means that your "diplomatic corps" is reduced by one. On the other hand it does not cost anything to reply to an offer from another diplomat. There are some other diplomatic actions requiring diplomats. These will be explained in greater detail later on, but we will mention them here anyway. Diplomats are required if you wish to make a declaration of war or make offers of peace. Diplomats are also required if you want to trade information about discoveries with other countries, basically to get access to the maps of the other country. Finally, you must send a diplomat if you want to offer to lend money to another country.

You may not send more than one diplomat per month to the same country. You must then wait a month before you send another one. The "diplomatic corps" of your country increases in numbers each year. The number of diplomats you receive depends on the diplomatic ability of your monarch (each value above 5 provides an additional diplomat), and if your country is at war you receive an additional diplomat. If your state



On page 17 in the ledger you can choose a nation from the left column. Trade embargos and Casus Belli are those that the chosen nation has imposed on the specified countries.

religion is Protestantism or Reformist you receive one extra diplomat, but if your state religion is Catholicism or Counter Reformed Catholicism you receive two additional diplomats. It may also receive diplomats because of random events. Your country will always receive a minimum of one diplomat per year.

Improving Relations

There are three different methods of directly improving relations with other countries. You may send a letter of introduction, which costs 25 ducats and will give a small improvement. The letters of introduction were a common feature of the period, and it was not unusual for some monarchs to send steady streams of letters to each other. Catherine the Great of Russia, Gustavus III of Sweden, Frederick the Great of Prussia, and Joseph of Austria, were all involved in discussions on

the subjects of philosophy and national finances, for example.

You may also send personal gifts, which will cost 100 ducats, giving your relations a stable boost. In order to show how important these diplomatic gestures used to be, we need only remind you of the tea services, embroidered silk cushions, beautiful furs, etc, that are on display in many European museums. You may also send a gift of state, which will cost you 250 ducats, giving your relations a huge boost. Historically, these were often a combination of different things. It could be a large personal gift, like a gilded gala carriage or a pleasure yacht, but often there were subsidies involved in the game. Subsidies were similar to today's aid to developing countries, gifts to poor relations. If you want to be cynical you could say that countries bought the friendship of weaker countries. Examples include Sweden during both the

Scanian War (1674–1679) and the War of Pomerania (1757–1762), both of which were financed by French subsidies.

War Affects Your Relations

War will of course affect your relations. Declarations of war will catastrophically lower the level of your relations toward the one you have declared war upon, and to the allies of that country to a lesser degree, even if the allies choose not to honor their alliance. Relations with any country that has a better relationship to your enemy than you have will be lowered. This will also apply to all countries tied to your enemy by royal marriage. The deteriorating effects of the declaration of war will lessen if you have ties through royal marriage to affected countries. The result of the war – the peace treaty – may also affect your relations. Military annexations will result in a radical worsening of relations with every country that knows about you. Only your allies are not affected this way. If you receive provinces as part of a peace treaty your loss of respect (the lowering of your relations) is not quite as damaging, although you are now seen as dangerous and threatening. Remember that it is quite easy for relations with surrounding countries to deteriorate. This may turn you into a hated pariah, but it takes a long time and large sums of money to repair and rebuild your relations.

The relations of your country also affect you in war. Countries that hate your country will feel much less uncomfortable when attacking your country, even stabbing you in the back. Any country ceaselessly attacking other countries, annexing countries left and right, will easily become prey to one or more alliances that want to put it in its place.

Tolerance Affecting Your Relations

We have already mentioned that your tolerance toward the various religions affects your relations. Historically, countries saw them-



Right clicking in a province brings up a list with usable shortcuts. The lists are different depending on the ownership of the province.

selves as the protectors of every inhabitant in the world sharing the same religion (or at least as many as possible). For example, Russia considered itself to be the protector of all Orthodox Christians, just like Spain during the 16th and 17th centuries considered itself to be the protector of every Catholic.

The level of tolerance is a value between 0 and 10, but only the really extreme values will affect your relations. Normal tolerance, or a tolerance of 5, will not make any difference. A high level of tolerance (6–10) will increase the annual improvement of your relations in relation to your level of tolerance. A tolerance of 10 will result in a higher increase than a tolerance of 6. The opposite is of course true for low levels of tolerance.

This phenomenon means that your country may have problems later in the game when trying to maintain good relations with countries of other state religions than your own. If your monarch and your government have a low level of tolerance toward a religious minority, it could happen that a country with that same state religion may declare war on your country in order to protect the "religious rights" of the minority.

Other factors affecting Relations

It is important to remember that changes of relations are not static, but continually depend on the diplomatic talent of your monarch. If your monarch is undiplomatic,

basically an incompetent in the area, even a gift of state may cause a worsening of relations. You don't give large gilded crosses to the sultan of Istanbul without punishment, you know. The state religion of your country, and its level of tolerance toward other religions also affect your relations. If Sweden has a very low tolerance toward Sunni Moslems, relations with the Ottoman Empire will deteriorate over time.

PROVOCATIONS

In the ruler's struggle for international power and balance, an essential tool was proclamations to make known to everybody else your opinion of what is and is not acceptable. Letters of warning were used to let somebody know that a certain act was not acceptable and that violence could be the response to further actions. Sometimes they just invented something to motivate an aggressive behavior, like Peter the Great before the beginning of the war against Sweden in 1700. He claimed that he had been treated quite badly during his visit to the Swedish town of Riga, but most of the surviving documents suggest that this was just an excuse.

Sometimes the traditional contacts through letters and notes could have far reaching consequences when allowed to get out of hand. They often concerned problems between countries, and the relations could deteriorate when the monarchs were unable to solve their differences at the negotiation table. A good example is the exchange of letters between Erik XIV of Sweden and Ivan the Terrible of Russia, which started with letters of introduction, turned into letters of warning, and then changed into a veritable flood of written insults. The relations then deteriorated into war.

A not uncommon reason for several civil and international wars, was the struggle for the throne of a country, especially if the succession rights were in the slightest bit unclear. It was not unusual to lay claims to the crown of other countries, but to do this openly was a mortal insult, as it implied that the sitting

monarch was a usurper. A historical example are the claims of the Polish Vasa kings to the Swedish crown for a number of years. The Danes also had claims to the Swedish crown, and certain English monarchs had claims to the French crown. Both Spanish and French monarchs had claims to the crown of Naples.

Insults

This will hurt your relations and give the receiver a temporary Casus Belli for 1 year against you. A useful diplomatic endeavor when you want to provoke a war without starting it yourself.

Claim their Throne

You must have a royal marriage with the subject country in order to claim their throne. Your relations with all countries that you also have royal marriages with as well as your stability will take a steep loss. But you will receive a Casus Belli lasting a few years against the usurper's country.

Warning

If the receiver attacks any of your neighbours, you will receive a temporary Casus Belli lasting several years against the aggressor.

Proclaim guarantee

You let it be known that you will not tolerate open war against the subject country. If somebody else declares war against the country, you will receive a Casus Belli against the aggressor, lasting several years.

ECONOMIC AGREEMENTS

To politically close a center of trade for the merchants of certain countries was not an unusual occurrence during the time period. After the Dutch struggle for liberation, when the United Provinces were created, a temporary peace treaty was signed between Spain and the Netherlands. This peace did not last very long, as the Dutch had closed the waterways to Antwerp, thus monopolizing trade in

the whole area. This was of course unacceptable to the Spanish king. Also, mercantilism contributed to a monopolistic attitude with political overtones. The English Act of Navigation of 1651 and the French acts under the supervision of Colbert were de facto a refusal to trade. Sweden issued its own navigation act during the 1720s, but with poor results.

Monopolizing trade centers meant considerable income, and the use of this political weapon was a very effective way of creating or maintaining monopolies, especially if the country concerned had more effective merchants.

Refusal to Trade

If you subject a country to a trade embargo, this country may not send any more merchants to the trade centers in any of your provinces. The merchants already present are "frozen," no longer providing any income to their country. You can now put them out of business by sending in additional merchants of your own. Trade embargo was a common practice during the time period. Note that refusal to trade involves some adverse effects. The country you are putting into quarantine has a Casus Belli toward your country as long as the refusal to trade is in effect. If you chose to allow trade again, the Casus Belli against your country disappears. Also note that a trade embargo will adversely affect research in trading technology, meaning that your country receives a negative modifier for each country it subjects to a refusal to trade.

Also remember that your country may be subjected to the same trade embargo if your merchants start to act aggressively in any other center of trading, especially if they are starting to put the owner of the center out of business.

Trade agreement

By entering into a trade agreement with another country, you both will stop compet-

ing with that country's merchants in all centers of trades. The agreement is in effect until either of the partners chooses to cancel it, at a cost of decreased stability. The other party will get a temporary Casus Belli for one year.

Loans

You can suggest that other countries to borrow money from you (see "Economy"). If they fail to repay you on time, you will receive a temporary CB against them.

ALLIANCES

Royal Marriages

The royal marriage was intended to unite two dynasties and thus two countries to each other. When such marriages were made the relations between the countries improved. Please note that the term "royal marriage" is not to be interpreted literally, as even a marriage between the republics of Venice and the United States is defined as a royal marriage. The important thing to remember is the important political bindings such an "official marriage of state" entailed in the anarchic world of nations. They were the most important proofs of friendship between countries you could give. Even non-monarchies like the Papal State, Venice, and the United States married off the protégés of important and powerful men in order to strengthen and protect the interests of their countries.

In order to arrange a royal marriage, both parties must be of the same religion. There are two exceptions. Orthodox Christian royalty can marry into any other Christian faith and Counter reformed Catholics can marry into ordinary Catholics.

The marriages were also the basis for further diplomatic relations, for example alliances and vassalage, after which an eventual political annexation was possible. Also note that the royal marriage could have a defensive purpose, as the risk of war between countries sharing royal blood is lowered. In the game this is represented by a further low-

ering of stability by one step if anybody declares war on a country with which it has ties of marriage. For example, you could imagine a royal marriage between Sweden and Russia as a precaution when preparing for a war with Denmark, in order to avoid the risk of a two front war. Finally it should be noted that you may annul any royal marriages your country is involved in, but it will lower stability by one step as an effect of the political turnaround, and the fact that your monarch is breaking what the population views as divine order—the holy matrimony.

Military Alliance

When it came to keeping the peace and being fortunate in war, alliances between countries were as important then as now. To be a member of an alliance was a good thing both as a deterrent and as protection during war. The system of alliances of the period was a sort of



The color of the disc of the capital indicates the level of stability. A red outline around the stability icon indicates that you are at war. The anchor symbol for a port changes into a wheel when it harbors a fleet. The gold color indicates a shipyard.

self-help. A number of countries swore to defend each other's independence on the principle of "one for all, all for one." Anyone attacking a member of an alliance was risking

war with all of the other members of the alliance. You should also remember that the "alliances" described here were a kind of ideal. In reality, monarchs and governments with a strongly developed self-interest ruled the countries. It was not at all certain that every one in the alliance would honor their pledges.

In the game, you may enter into already existing alliances, accept requests of entering alliances, or create new alliances by suggesting the idea to another country of your choice. All this is handled using the diplomacy window. In order for your country to be able to do anything at all, you need to have good relations with the country in question, or with the leader of the alliance you want to join.

Each alliance has a leader. Traditionally this was the strongest member of the alliance, but it could also be a rather small country. The Papal State and the Republic of Venice are both examples of small nations that often act as leaders of various alliances. In the game the leader is always the country that created the alliance. The advantage of being the leader is that only the leader may invite new members, and is also the only one who may force members of the alliance to leave. The leaders of two alliances may also enter a peace treaty with each other above the heads of the other members, which means that these two countries set the rules that the rest must obey. This is something that Sweden suffered after the war of 1674–1679, when, at the peace negotiations of Fontainebleau, France settled the peace between Sweden and its enemies and at the same time did not allow the Swedish envoys to even enter the chambers where the discussions were held. The disadvantage is that you, as the leader, may never leave the alliance yourself, but have to wait until it expires. This is not the case if you are not the leader.

Alliances are perishables. If the members do not regularly repeat their solemn promis-

es of coming to each other's rescue the alliance loses its relevance and expires at a set date. The running time is normally 10 years from the date of the latest peace treaty of the alliance. Note that there can be differences if various members make separate peace treaties or choose to wage their own wars, without requesting the active support of the other members.

Example: If one member of an alliance (Hungary) is attacked by another country (the Ottoman Empire), all of the other members of the alliance (Venice and Persia) are asked if they want to participate in the war against the attacker (the Ottoman Empire). There are two natural choices in this case, and the other two members will make the different choices. In our example Venice chooses not to honor the alliance, and will not declare war. Venice's stability is lowered by one step because of its distasteful act of cowardice. Venice may also be forced to leave the alliance if relations with Hungary drop sufficiently. Persia chooses to honor the alliance and declares war with the Ottoman Empire. This may be done without loss of stability. Persia is now at war with the Ottoman Empire in conjunction with Hungary. The leader of the alliance, either Hungary or Persia, may also end the war with the Ottoman Empire without consulting the other member.

The art of upholding a good alliance, in which all members actually honor the alliance, is directly related to maintaining good relations between the member states. If you are not successful the alliance will dissolve sooner or later. Military annexation of countries during peace treaties is a sure way of destroying even the strongest of alliances. A factor of some importance is the fact that you receive a temporary *Casus Belli* toward each country not honoring an alliance if your country is attacked. The temporary *Casus Belli* is only good for six months.

Each country can only be a member of a

single alliance at the time. Two alliances cannot be joined in order to form a single alliance.

Military access

The country will grant you military access. You will be able to enter its provinces with your armies and its ports with your navies. As long as the military access is in effect, you cannot declare war on the country.

Vassalage

The purpose of vassalage changes with time in the game. Originally the "vassal" emerged during the Middle Ages as a subordinate prince, who was obliged to provide his lord with a number of knights for the defense of the entire kingdom. As compensation, the vassal could keep most of the income from his territory, but was also required to uphold law and order in his territory, which was a profitable line of business. At the end of the Middle Ages, which is the earliest phase of the game (1492-1520), the political systems of Western Europe developed away from feudalism and toward more centralized states, when the kings started to create the professional embryos of the state bureaucracies. This development also led to a lessening of the importance of having vassals throughout the country. Instead, vassals became countries heavily dependent on the monarch of the country on which they were dependent.

If you were to translate this concept of vassals into modern times, you could compare the political position of some of the small Central American states in relation to the United States during the 1950s and the 1960s. A Swedish historical example would be the subordination of Estonia under the Swedish crown during the reign of Erik XIV. The Estonian knighthood submitted to the Swedish crown under certain conditions, which may be defined as vassalage. At a later stage the province was simply drawn into the kingdom of Sweden to be more or less annexed.

Vassalage may be the result of your country arranging a royal marriage and having a military alliance with another country. If the relations between the two countries are at 190+, they are both sharing the same state religion; your country may offer the other country the status of vassal as long as the potential vassal is not a bigger country (has more provinces) than you. If the country accepts, you may freely use the provinces of that country for movement purposes, and you also receive a part of the yearly income of the country. It may no longer enter into any royal marriages with any other. The master country will get a Casus Belli against any

country declaring war upon the vassal.

If you start a scenario as a vassal, or if for some unlikely reason you have accepted to become a vassal of another country, your only possibility to get rid of your status as a vassal is to declare war on your lord. This will of course result in a massive loss of stability. The same is true if you have a vassal and want to get rid of the vassal in order to declare war on that country. The reason for such an event could be because your relations have deteriorated so much that your vassal has started to send tenders of alliance to the archenemies of your country. Note also that your vassal may end the dependence and declare war on you if your relations deteriorate too much (it has this opportunity already at 120+). Note that you must first make a country your vassal if you want to politically annex it later on.



A nation's reputation is an indication of the probability that other nations will attack it. Annexing other countries and declaring war without Casus Belli is the surest way to ruin one's reputation.

Creating Vassals

Sometimes you have the opportunity to create a new country by granting vassalage to a region in your domain. The reasons could be that different religions and cultures in the region make it prone to revolts. By granting vassalage you will still have the benefits of military access and regular tributes. You must control the provinces to which you grant vassalage though, so you can't create a new country from provinces that you had "lost anyway".

By clicking on your monarchs window you get a list of regions that can become vassals.

Annexation

Political annexations were not as common during the period as military annexations, but did occur now and then. For example, the union of Scotland with England, and the union of Bohemia and Hungary with Austria may be seen as political annexations. The political annexation of a country means that a formerly independent country becomes part of your



By clicking on the shields you can decide if you want to enter a separate peace. Clicking on the No tribute button instantly sends a proposal of a "white peace", i.e. no losses and no gains for either party.

own. Its provinces become your provinces, and your laws, your state religion, and your decisions are to be followed, exactly as in your own country, or more correctly, the provinces become a dissoluble part of your country. Political annexations are the epitome of diplomatic ability and effort. This is where the border between war and peace disappears, and diplomacy fulfills the same goals as war.

As a rationale as to why nations accept your offer of annexation, they may be allowed to select certain powerful citizens of the country, such as the nobility or the church leaders, as the vassal himself probably would not like to lose whatever power he may hold.

You may only offer annexations to adjacent

countries that have been your vassals for at least 10 years, only if your relations are extremely good (190+), and only if you are of the same religion. If your vassal accepts, the provinces of the vassal are turned over to you and will become your own provinces. You also control all of the fleets and army units of your former vassal. It is a good idea to gather everything directly after the annexation, so you don't forget any of the units, which will then needlessly suffer attrition (see Attrition). Your country will also receive a bonus when researching various areas of technology, if the annexed country had any levels that were higher than your own. Your country will also receive a stability bonus if the annexed country had a higher stability at the moment of annexation. If the vassal had any loans at the moment, these are written off (your country is not liable). Finally, your country will receive all of the maps of the annexed country, which means that your country will now "see" everything that the former vassal could see.

WAR AND PEACE

We are used to looking at war in the rearview mirror and with a focus on the 20th century – the Age of Total War. During the epoch of the game, the scope and goals of war were not total and all encompassing. This was an era when ideas like Honor, Fame, and Status were more important than Freedom, Justice, Equality, and Brotherhood. There was also a sort of fluid boundary between the war of the Prince and the war of the Nation, which of course influenced the overall goals. One of the reasons for the Swedish declaration of war against Prussia at the outbreak of the War of Pomerania in 1757 was that the Party of the Hats of the Swedish Parliament wanted to insult the Swedish queen, who was the sister of Frederick II of Prussia. This will serve as an example of a somewhat different way of thinking as compared with what we are used to. The goals were

often more modest than today. Taking too much was always punished. Both Philip II of Spain and Louis XIV of France met heavy resistance from strong coalitions when their lust for power was perceived as a threat, but also Gustavus II Adolphus of Sweden and Maximilian of Austria ran into these "European scales of balance."

War is one of the fastest and therefore most tempting ways to expand politically and economically. War also has its share of disadvantages. Your research will often suffer, as you probably need to invest heavily in stability after each war. Wars almost always destabilize your country. War also affects the risk of rebellion in your provinces. A land with multiple religions often risks a "great mess" each time a war drags out in time.

TO PREPARE FOR WAR

Before you declare war you need to prepare. This usually means that you expand your armies and fleets in order to obtain local supremacy. You should also compare your strength to the strength of your potential enemies. If you are well prepared you suffer less risk of having to finance your war with war taxes and increased minting of coins. Note that attrition is higher for army units that are moved during the winter months. Plan your war accordingly.

It is also important to consider the allies of your potential enemy, and to determine how your own stability will be affected. Check to see if you have any Casus Belli (Latin for "cause of war"), which will decrease your loss of stability because of the declaration of war. When you declare war you are informed of the size of your loss of stability and what caused it. At this point you still have a chance to regret the act.

Depending on your relations with other countries you may enter into an alliance in which at least one of the member states hates the country against which you would like to

declare war. Chances are fairly high that your brother in the alliance will declare war sooner or later, and when this happens you may honor the alliance without loss of stability. You may also try to surround your enemy through alliances with all of his neighbors. If war breaks out, at least you will not fight alone.

Casus Belli

Casus Belli has been mentioned earlier, but has not been fully explained. Casus Belli is Latin and roughly means "lawful cause of war." If your country has a lawful reason to declare war on another country, it will not affect any third parties negatively, third parties being your own population and any other countries. Normally your stability is lowered by two steps if you lack a proper Casus Belli. If you have a Casus Belli, you can still lose stability for other reasons.

How do you receive a Casus Belli against another country? Firstly, there is permanent Casus Belli at the start of each scenario, because of ancient enmity between countries. The permanent Casus Belli are in effect throughout the scenario. Secondly, each country may receive temporary Casus Belli. If your country loses any of its core provinces during war you receive a Casus Belli, which is remains in effect until you have regained your province. If a country does not honor an alliance when you are attacked, you receive a limited Casus Belli against the country or countries that chose not to honor the alliance (6 months). If a country refuses to repay a loan to another country, this country receives a limited Casus Belli (of 12 months duration). Any country receives a Casus Belli against countries that refuse to trade. The Casus Belli is in effect until trade resumes.

Side effects of war

One of the first things you must consider is the duration of the war. The longer a war

lasts, the greater fatigue you suffer, and consequently the risk of rebellion in your provinces increases. If your country has a number of religious minorities a long war may be fatal. Your effort at improving your stability is a much slower affair if you are at war, compared with a period of peace.

The recovery after a war is also a difficult time. You may have to invest in stability for many years. This is when you should be investing in new technology instead, the very thing your enemies are certainly busy doing. After a long war there is a particularly great risk of having lagged behind in investments, which may mean that you will lose the next war, even if you won the last one. Your foreign relations may also be ruined, especially if you have won a war and have annexed another country. Also remember that your country may be ruinously devastated after the war, with a number of provinces plundered, and many of your trading posts burned.

A very unpleasant side effect of war is the risk of unexpected countries entering the conflict. If you are doing badly in a war, there is an increased risk of getting declarations of war from countries where your relations are bad, as they may think that your country is about to collapse. On the other hand, a third party might also get involved on your side, upsetting your goals by grabbing provinces of your enemy that you had planned for yourself.

HOW TO START AND HOW TO END

You may make declarations of war whenever you wish, obeying the normal diplomatic procedures; your country must have a diplomat available in order to declare war and at least one month must have passed since you last sent a diplomat to the country in question. However, you may not declare war if the stability of your country is at the lowest possible level (-3). Your monarch and your government have enough on their minds keep-



In the political map mode, the small shields indicate your core provinces. Several countries could have this claim to the same province. You can always ask for your core provinces in peace offers, even if you don't control them.

ing the country in one piece to worry about anything other than the unrest at home.

A country must declare war on another country in order to move its army units into that country. There are exceptions to this rule (see The Holy Roman Empire, The Treaty of Tordesilla, Vassalage, and Military Access).

A declaration of war almost always results in loss of stability. The loss may have a number of reasons (see Stability). However, getting involved in a war by honoring an alliance in which one of your allies either has declared war on another country or has been attacked, is “stability-free”.

After the declaration of war your country is at war until a peace treaty has been signed between your country and the country or countries with which you are at war.

War aims

In a game like this, of course each player must formulate his or her own goals. There are a few things that must be pointed out. It is important that you plan your wars. Continually ask what you want to gain through the war, and always consider your

actions. Sometimes your goals may be as clear as water, for example you want to take just that province, presenting a very clear approach.

There may be greater problems, though, especially if you have a large country with the ambition of rubbing elbows with the great powers of the world. What would happen if your neighbors realized that one of their greatest competitors (you) has grown very powerful and seems to be increasing even more in power? In this case they might find it necessary to form alliances and start a war against you just to keep you busy, without necessarily attempting to gain your territories. In this case your goal may be to keep your potential enemies continually occupied by wars with other countries. Leaving a war you have initiated through making separate peace by offering monetary tribute, even if your side has the upperhand, fulfills your goal in this case.

War score

In order to win a war you must be victorious in battles and naval engagements and/or capture the provinces of the enemy. You capture a province by moving an army unit into a province, defeating any enemy units in the province, and performing a successful siege or assault. When your flag is waving above the town, colony, or trading post of the province, you control it and this will be counted to your advantage during peace negotiations.

All hostile actions during the war are translated into points that accumulate. You receive points for controlling enemy provinces, by winning pitched battles and naval battles, and for controlling the capital of the enemy. The actual sizes of the forces and losses involved in every battle, as well as the production value of enemy controlled provinces, affects the number of points. Note that the opposite is true for your opponent, which means that you should try to avoid losses in

battle and try to hang on to your provinces. The difference between your points and your opponent's points is shown as a percentage number in the Peace window and is referred to as the war score.

Peace negotiation

A peace treaty may be reached in three different ways. Either you accept the offer of peace coming from your enemy, you make an offer of peace, or there will be an automatic status quo peace between you and your enemy.

Automatic peace – This will occur automatically between countries at war with each other, when there have not been any hostile actions during the past 36 months, and when neither of the parties control any provinces belonging to the enemy.

Receiving a peace offer – If you are offered peace you may only accept or decline. You may not renegotiate but you may decline and



The difference between the values of what you ask for and your war score increases your chances of having your proposal accepted.

then follow up with another offer to your enemy.

Sending a peace offer – If you want to offer peace, open the diplomacy window, and choose "Peace offer". A new window opens. Here you see the results of the war, indicated by a percentage number in the information window. If it's negative, you should consider offering a tribute and/or provinces in order to gain peace. If it's positive, you may often demand a tribute and/or provinces. Each occupied province is represented by a percentage number based on its income value and each batch of 25 ducats represents 1%, which you may either offer or demand.

You may only offer to give up provinces, which belong to you, and which are now controlled by the enemy, and you may only demand provinces, which belong to your enemy, and which are now controlled by your or your allies. However, you may always demand core provinces of yours in the enemies possession, regardless if you control them or not.

Essentially, the higher number you have, the more you may demand. On the other hand, if it is negative, the higher you have, the more you must give up in order to get your peace. Will your enemy accept your offer? It all depends on how well the offer conforms to the fortunes of the war, and if you are generous or not. Your enemy will be more willing to accept your terms if you are also controlling their capital.

If the circumstances are right you may also demand religious or diplomatic benefits by clicking the corresponding boxes.

Vassalisation – Your enemy becomes your vassal. There are many benefits involved with this. You will receive part of his income as long as he is your vassal, you will have military access to his territory, and your reputation with other nations will not suffer as much as if you had made the country part of your nation.

Military access – The country will grant

you military access. This is useful when you have gotten involved in a war with a stubborn little country that blocks your path to your real enemy.

Conversion – You get the opportunity to convert your enemy's state religion to your own. Note that this is not always possible due to historical and cultural limitations. You gain a lot of victory points if you succeed.

Military annexation

Note that you may never demand the province where your enemy's capital is located, or cede the province of your own capital. However, when you control the only provinces of a one-province country you may demand annexation, and thus win the entire country. If this unfortunate country was yours, you are out of the game!

The enemy country then ceases to exist. Don't forget that military annexations will always worsen your foreign relations enormously. When you have annexed a country you will also control all of its army units and fleets. A useful line of action is to gather all of these immediately after annexation, so you don't "forget" any of them, which would make them suffer attrition (see Attrition).

Peace treaty

When your country has accepted an offer of peace, or when your enemy has accepted your offer of peace, or when an automatic peace is settled, your country and your enemy now have a peace treaty. A peace treaty also means that if either of you declares war on the other, the one breaking the peace treaty within 5 years after signing it will suffer a massive loss of stability – a total of five steps (-5).

Separate peace

If your country is involved in an "alliance war," involving one or several alliances, there are two possibilities regarding peace offers. If your country is at war with an entire alliance,



A failed attempt of the missionary could result in a rebellion.

you may make an offer of peace to the leader of the alliance, and thus get a binding peace treaty with all of the members of the enemy alliance, or you may sign separate peace treaties with individual members of the enemy alliance. There are many instances when using this latter option is an excellent alternative. With a separate peace the game only involves counting the war scores that apply to your country and your single enemy to whom you are offering peace, while the entire war score is counted when you are dealing with the leader of the alliance.

Example 1: The Ottoman Empire is at war with the "Small Alliance," consisting of Hungary (the leader), Venice and Bohemia. The Ottoman Empire has won a few battles against Venice and controls three Venetian provinces. Hungary, on the other hand, has taken two Ottoman provinces and has won two battles. Bohemia has won a single battle against the Ottoman Empire. The Ottoman Empire starts by offering Venice a separate peace. Here the Ottoman Empire has a large war score, and demands and receives two provinces. Venice is out of the war. Then the

Ottoman Empire makes an offer to Bohemia. The Ottoman Empire has a negative war score of -1 , but is hoping for a peace of status quo, and succeeds. Bohemia is out of the war, and only Hungary remains. The Ottoman Janitchars are turning toward Hungary.

Example 2: Even a peace with the leader of the alliance may be quite effective. Sweden is at war with Russia (the leader), Poland-Lithuania and Denmark. The war is going badly for Sweden, as all three members of the alliance each control several Swedish provinces. Sweden makes an offer to Russia, offering 1 province to Russia and 1000 ducats, representing a high percentage number. Russia accepts and neither Denmark nor Poland-Lithuania receives any provinces. In this case Sweden gets off the hook relatively cheaply, losing only a single province and some money that will be regained once the costs of waging war are gone.

RELIGION

Religion was a very important part of life during the period. Catholicism was the unifying force in Christian Europe. In 1492 Castile and Aragon had "liberated" the Iberian Peninsula from almost 800 years of Moslem government. Neither the Pope nor the Emperor had the same power over people as they did during the Middle Ages, but religion still served as a common system of thought for the inhabitants of Europe. People on the eastern fringes of Europe still confessed to the Orthodox variety of Christianity, and lived within a similar, but slightly different system. The Ottoman Empire was both the inheritor of the Byzantine Empire and the Caliphate of Baghdad, and here the Sunnis were in majority. The Sunni Moslems were fighting the Shia Moslems of Persia. This struggle concerned who should lead the Moslem Caliphate. According to the Europeans, the world beyond Europe and the Middle East was simply populated with lots of heathens.

When the Reformation occurred the

Catholic Church was divided, and Protestants and Reformists emerged out of the split, which also brought about a wave of violence, with both religious and political overtones. Religiously it was a struggle for the reformation of the old church order. It will be noted that the Catholic Church was also reformed from within. The political struggle concerned the power over the possessions of the church and the appointment of priests, but above all about the freedom of thought: whether or not the Pope had the right of interpretation in all religious matters. You could also say that Catholicism represented a universal view, a common European church, while the Protestants and the Reformists wanted more decentralized, National churches.

After a while the struggle developed into religious wars without any clear winners. Because of a general European fatigue, the different variants of Christianity were finally forced to accept the status quo. This was the

first step toward tolerance and freedom of thought, which would really get underway during the Age of Enlightenment.

State Religion

Each country has a state religion, and as has been mentioned earlier, it was a system of thought, regulating morals and the philosophy of life, but it was also a form of state ideology the rulers used in order to control their subjects. This means that the religion of your country affects certain aspects of society in the following ways:

Catholicism – Provides your country with 2 additional diplomats each year and a missionary every second year. You also have a bonus in increasing stability and a higher production efficiency. Poland-Lithuania is an example of a Catholic country.

Counter Reformed Catholicism – Provides your country with 2 additional diplomats each year, and 1 additional mis-



sionary each year. If you convert countries by force, they will change to Catholicism. This religion will also provide a positive bonus when investing in stability. Finally, it lowers your tax income but you have a bonus in the ability to increase your stability. The Papal State, naturally, and Spain during the reign of Charles V are examples of this religion.

Protestantism – Provides 1 additional diplomat and 1 additional colonist each year. Provinces in Protestant countries will also have a higher production value and provide higher taxes than countries with other religions. However, your country gets a negative bonus when investing in stability. Sweden became a Protestant country in 1544.

Reformist – Provides 1 additional diplomat and 2 colonists per year. Militant Reformist army units and fleets are also provided with one extra level of morale. Reformist merchants receive higher profits than merchants of other religions. On the other hand, you have a negative bonus when investing in stability and a decrease in tax income. Examples of Reformist countries include Holland, Switzerland, and Scotland.

Orthodox – Provides 1 additional colonist every second year. The Orthodox Church was not involved historically in the enflamed conflict between Catholics and Protestants, and its diplomatic relations were not affected in the same way by religious change in the rest of Europe. They receive a positive bonus for investments in stability. The best example of an Orthodox European nation is of course "The Third Rome," Russia.

Shia Moslem – During a very long period the Shia Moslem faction was forced to keep its religion a secret, in order to avoid the wrath of the Sunni Moslem majority. After a number of uprisings and heavy fighting, the Shia Moslems managed to establish a number of independent nations, with sharp theological differences toward the Sunni. This gave rise to a certain fanaticism, providing

their army units and fleets with an additional level of morale. The Shia Moslem countries had a stricter relationship to the Koran for political guidance, which provides a positive bonus when investing in stability, but as a much stricter interpretation of the Koran regarding religious taxation was observed, the taxation income is lowered. Examples of Shia Moslem countries include Persia and the Egypt of the Mamlukes.

Sunni Moslem – No special advantages or disadvantages in game terms, except a bonus when investing in stability. An example of a Sunni Moslem country is the Ottoman Empire.

Confucianism – They get a bonus for raising stability but suffer both from lower taxation income and trade efficiency. China is an example of a country with Confucianism.

Hinduism – Increased morale for its armies and navies as well as higher tax income but a negative bonus for investments in stability. Example of a Hindu country is Mysore in India.

Buddhism – Receives a missionary every second year. Lower tax income but a positive bonus for stability. Examples of Buddhist countries are Cambodia and Tibet.

Provincial Religion

The state religion is the religion preferred and supported by the monarch and the government. In practice it means that the religious leaders of the state religion were responsible for the spiritual guidance of the people. In certain countries religious minorities could be exempt from the state religion and keep their own religious leaders and church organizations. This practice was fairly common and came about as a result of provinces being ceded in war only if the populations were allowed to keep their old religions. Another reason could be a lack of resources or an actual will to "combat heretics" in the country. An example of a

country with several different religions within its borders, combined with a high religious tolerance, is Poland-Lithuania, while Spain under Ferdinand and Isabella may serve as an example of a country with a low tolerance.

The provincial religion is the religion of the population of the province. A province may have another religion than your state religion, which may result in rebellions if you have a low tolerance toward the religion of the population. As a player you have a religious/political tool you may use to control the level of tolerance of your monarch and government toward different religions.

Religious Tolerance

You may control the level of tolerance in the religion window regarding different religions on a scale from 0 to 10. Note that you have a "natural balance in a zero-sum game" between how you determine your levels of tolerance. For example, if you only have two religions for which to control tolerance, and you maximize tolerance toward Catholics (10), then you will automatically minimize tolerance toward Protestants (0). The level of tolerance affects the risk of rebellion in your provinces (according to the tolerance toward the provincial religion), and also your diplomatic relations with other countries.

Religion and international relations

The state religion of your country is extremely important to diplomacy. As explained above, your diplomatic capacity, that is your annual supply of diplomats, is affected by your state religion. The diplomatic relations (on a scale of +200 to -200) of your country are also affected by your state religion.

The relationship between a Protestant country and Catholic countries deteriorates over time. A simple rule of thumb is that relations deteriorate all the time between Counter Reformed Catholics/Catholics and Protestants/Reformist, and between Christians and Moslems, between Sunni and

Shia, and to a lesser extent between Orthodox Christians and everybody else. Relations only improve over time between countries with the same state religion, between Reformed Catholics and regular Catholics, and between Protestants and Reformists.

Also note that your country may only arrange royal marriages with countries of the same religion, with exceptions between Protestant and Reformist, and Counter Reformed Catholic and Catholic countries. Orthodox countries can enter marriages with any and all Christian countries.

Strategy

It is important that you think strategically when you handle religious issues. If your country has a lot of religious minorities within its borders it may become difficult to handle religious issues and become difficult to wage war, as the entire population probably has a rather lukewarm view of your policies, meaning that some are quite happy, while others are definitely unhappy about the whole situation.

Let's try an example. It is 1631 and the state religion of Sweden is Protestant, and all of its provinces are Protestant. Sweden knows about Catholics, Reformists, Orthodox, and Moslems, and thus has a level of tolerance toward each of these. Sweden may in principle maximize its tolerance toward Protestants and Reformists (allies), and minimize tolerance against all the rest. In a violent two front war Sweden then conquers and, during peace treaties, receives provinces from both Russia and Spain. The Russian provinces are Orthodox and of the Spanish provinces one is Catholic and the other is Sunni Moslem. The problem now is dividing tolerance, as you cannot maximize all of them at the same time. If you choose to keep a low tolerance toward Catholics, even though you now have a Catholic province in your country, you must expect rebellion. It is

not improbable for you to lose the province. If instead you set all tolerance levels at the middle level, war fatigue will be felt much quicker, which in itself may be quite a problem if you are going to fight a war for thirty years. The question is: is it really a good thing for you to settle a peace on such conditions?. That is why you must plan ahead, strategically, to avoid ending up in impossible situations.

The levels of tolerance and stability are the key to both control and development of your country.

CONVERSIONS

In modern democratic countries matters of faith are viewed as concerns on which each individual must take a stand. Should I or should I not convert? During the period this was not the case. The monarch and the government were often seen as responsible for the spiritual life of their subjects, as God's representative on Earth. A country where the subjects had the same faith was also much easier to rule. Conversion may mean several things in the game.

Changing State Religion

It could mean that your country changes state religion in a peaceful manner under your control. In order to change state religion, go to the religion window to choose the religion to which you wish to convert, and then click the "convert" button. Note that you may not change state religion in a historically unrealistic fashion; for example, Gustavus Vasa of Sweden may not switch from Catholicism to Confucianism or the Sunni Moslem faith. Changing state religion is not done lightly, because there will be many negative consequences. Your stability is lowered by five steps (-5) when you switch religion. There is one exception, though: when you switch from Catholicism to Counter Reformed Catholicism, as these two religions were so much alike that the subjects

never really bothered. The second consequence is a deterioration of your diplomatic relations with countries that still have your old religion, which may lead to war if things turn out badly. There is also a huge risk of rebellion in your provinces, especially if you switch between Catholicism and Protestantism.

It may also be because your country forces another country to change state religion, or another country forces your country to change. The actual conversion occurs as a result of an accepted peace offer that ends a war. This situation requires that the victim is not hindered by historical and cultural reasons to change to the enforcer's religion. An obvious gain is the amount of victory points received, but a more far reaching effect might be that you effectively cripple a potential enemy for a long period since the consequence could be that he will have his hands full with internal rebels for a long time to come.

Finally, you may be forced to change state religion if there are such widespread rebellions in your country that the government itself is falling.

Changing Provincial Religion

Your provinces may also convert to other religions, either to the state religion or to something else. It may happen in one of several ways.

Historical events – Catholic provinces may change to Protestantism because of the "Reformation" event, Protestant provinces may change to Reformist through the "Jean Calvin" event.

Random events – It could be a change to the state religion through the work of church officials, or to another religion as part of a heretic movement.

Settlers – By successfully sending a colonist to a province, you will convert it to your state religion. This is a rather quick and inexpensive way but will of course only work

on your uncolonized or relatively small provinces (below 700 in population).

Missionaries – Provinces with a population above 700 can be converted through the use of Missionaries. The process is, however, both long and expensive. Furthermore, Missionaries are not as commonly available as Settlers. Only countries with Catholicism, Counter Reformed Catholicism, or Buddhism as state religion receive Missionaries on a regular basis. Changing Domestic Policies towards “Narrow minded” will increase their number or even make them available for nations of other faiths.

FOUR IMPORTANT EVENTS

There are four important historical events closely tied to religion during the course of the game. In chronological order, these are the Reformation, Jean Calvin, the Council at Trent, and the Edict of Tolerance. Note that they all assume that the previous one has occurred. In order for "Jean Calvin" to occur, the "Reformation" event must already have happened.

Reformation

After Martin Luther nailed his 95 Theses on the gate of the church at Wittenberg a far-reaching discussion started, particularly in Germany, about the relations between religion and royal power. You could say that the big question raised by Martin Luther was whether the Pope and the Curia of Rome really had the right of interpretation in the areas of religion and politics; that religion and politics had become inseparable was obvious. After a while there came a break between the Pope and countries that had taken up the views of Luther and Melancthon of the church as an inseparable part of the influence of the princes.

This is the first event and cannot occur earlier than 1517. The effect is that your country may now convert to Protestantism. If a country changes its state religion from Catholicism to Protestantism, the country



The shield to the left accesses your domestic policies. The shield to the right accesses your tolerance setting. The two small arrows at the bottom let you skim through all countries in the game.

receives 25 ducats per province for confiscated church property. Note also that many European provinces will change their provincial religion from Catholicism to Protestantism as soon as the event occurs. In a country like Sweden, for example, almost all of the provinces become Protestant, while the state religion is still Catholic, which may be as good a reason as any to voluntarily change your state religion.

Jean Calvin

The event actually represents the appearance of Jean Calvin as a reformer. Before him Ulrich Zwingli, John Knox, and Ulrich von Hutten had already acted as reformers. Calvin,



The rollover provides the effect of the current setting. Any change has an instant effect but you must wait ten years before you can do it again.

though, was one of the most important post-Lutheran reformers, and organized Protestants in a decentralized fashion, with greater emphasis on the role of the layman in the church. Further, the main points concerned work ethics and predestination, and a strong anti-Catholic sentiment, which strongly increased the already great tension in Europe.

It occurs after the Reformation and means that your country and others may convert to the Reformist teachings. Please also note that certain European provinces automatically convert from Protestantism to Reformed.

Council of Trent

The goal originally was to reform the Catholic Church to let allow Protestants and Reformists to return. The goal was not reached, however; one reason was that the Protestants and the Reformists refused to attend. They did succeed in renewing and reforming the activities and the organization of the church, and as an effect of the wars in progress they repudiated the teachings of the Protestants and the Reformists. This in turn led to an agenda to let the lost sheep return to the fold.

It occurs between 1545 and 1563. This means that Catholic countries are now able to convert to Counter Reformed Catholicism, which provides a unique ability. If a Counter Reformed country decisively defeats a Protestant or Reformed country, it may demand that the conquered country convert to Catholicism as part of a peace treaty.

The Edict of Tolerance

The event's name is a generic term for all of the edicts and treaties that tried to create a permanent religious peace between Protestants/Reformists and Catholics. None of these succeeded to any great extent nor did any last very long. Ironically the sword and not the pen brought peace to the religions. Both the French wars of religion and the Thirty Year War created such widespread fatigue, that people were forced to accept the status quo in the matter of religion.

The effect for your country is that the effects of both the "Tordesilla Treaty" (see the "Event & special cases" chapter) and the Council of Trent end. All Counter Reformed Catholic countries return to the status of "regular" Catholic countries, and all provinces and colonies with a Counter Reformed church are now automatically Catholic.

DOMESTIC POLICY

In Europa Universalis, you could say that the Domestic Policy of a country together with its religion forms its profile. You can change

the profile over time but it will be a slow process and it will take literally decades, if not centuries, before there is a significant difference.

The Domestic Policy is divided into 8 areas. Each is represented with a slider bar with eleven settings, one neutral in the middle and five steps in each direction, representing increased support of that particular view. By clicking on the minus or plus button, the bar will change one step in that direction. It is important to remember though that you can only make a change once every 10 years.

Each step on the slider will usually only affect the corresponding effect with a fraction of its standard effect and will seldom be noticeable right away. For instance, a step towards Narrow-minded beyond the neutral middle will increase the yearly number of Missionaries with less than half a missionary, so it will take 3 years before you notice the effect through receiving an additional missionary.

Plutocracy to Aristocracy

The question is if you want to promote a wealthy middle class or the traditional nobility.

Plutocracy - Increased cost for building cavalry, decreased cost for building warships. Higher Trade efficiency but a negative bonus to the Monarch's diplomatic rating.

Aristocracy - Decreased cost for building cavalry, increased cost for warships. Lower Trade efficiency but a bonus to the Monarch's diplomatic rating.

Decentralization to Centralization

Only a centralized government can implement unitary laws, tolls, measurement and monetary systems, etc. However, making the central powers felt by changing local customs and traditions is seldom viewed favourably by the subjects.

Decentralization - Decreased risk for

rebellion due to war exhaustion, lower risk for rebellious liberation movements. Increased cost for improving technology and lower production efficiency.

Centralization - Increased risk for rebellion due to war exhaustion, higher risk for rebellious liberation movements. Decreased cost for improving technology and higher production efficiency.

Narrow-minded to Inventiveness

Maintaining conformity and sticking to traditional views can be an effective way to carry a society through difficult times. It does not however promote a good breeding ground for creativity and innovations. Those that don't fit the group have to leave.

Narrow-minded - Decreased risk for rebellion due to war exhaustion. Increased cost for improving technology but decreased cost for improving stability. More Missionaries and Settlers received each year.

Inventiveness - Increased risk for rebellion due to war exhaustion. Decreased cost for improving technology but increased cost for improving stability. Fewer Missionaries and Settlers received each year.

Free Trade to Mercantilism

Mercantilism is a system in which the government promotes the national industries and merchants by regulations, economic promotions, and high customs borders on the behalf of foreign competition.

Free Trade - Increased cost for placing Merchants. More Merchants and Settlers received each year.

Mercantilism - Decreased cost for placing Merchants. Fewer Merchants and Settlers received each year. Can have more trade refusals against other nations without negative effects on the increasing of trade efficiency.

Defensive to Offensive Doctrine

One school in the art of war promotes the

slow but relatively safe way of methodically laying sieges to the enemy's defenses. Another advocates winning the war more quickly through a series of violent and sharp but decisive pitched battles.

Defensive Doctrine - Decreased cost for artillery. Lower morale for armies. Decreased shock value for general commanders but increased siege value for them.

Offensive Doctrine - Increased cost for



artillery. Higher morale for armies. Increased shock value for general commanders but decreased siege value for them.

Naval to Land

Do you strive to be a land based or a maritime power?

Naval - Decreased cost for building naval units, increased cost for naval units. Higher morale for navies, lower for armies. More Settlers received each year.

Land - Increased cost for building naval units, decreased cost for army units. Lower morale for navies, higher for armies.

Quantity to Quality

A nation with many subjects can overwhelm a smaller enemy by sheer weight of numbers. In this case, the enemy has to depend on a the higher professionalism of their smaller army in order to prevail.

Quantity - Increased Manpower. Decreased cost for building infantry and cavalry. Lower morale for armies. Decreased fire value for general commanders.

Quality - Decreased Manpower. Increased cost for building infantry and cavalry. Higher morale for armies. Increased fire value for general commanders.

Free Subjects to Serfdom

The benefits of keeping an effective yeomanry comes with a price that not every ruler can or is willing to pay.

Free Subjects - Increased cost for building infantry. Higher morale for armies. Increased cost for improving stability. Higher production efficiency.

Serfdom - Decreased cost for building infantry. Lower morale for armies. Decreased cost for improving stability. Lower production efficiency.

COLONIZATION

When the Europeans first came to America it was to find gold, honor, and new souls to Christianize. But the driving force of the expansion changed very quickly. While they started out as discoverers and explorers, the Europeans changed to become traders and conquerors. Both in the role as trader, which the Europeans were in Africa and initially in North America; and in the role as conqueror, which they were in South and Central America, the motivational force behind the expansion evolved as the native ("discovered")

people's economy was penetrated, broken apart, and finally replaced with the Western economic system (during the larger part of the historical period a form of proto-capitalism).

What happened may be illustrated by the European contact with the native peoples of North America. The native population primarily subsisted on hunting and fishing before the Europeans came, but after the first contact when the Europeans offered weapons and luxury items in exchange for furs, it made more sense in the short term for the native people to hunt and gather furs and to a lesser extent grow corn for a living. By doing so the native people slowly but surely moved further inland and left the fishing waters and game-filled hunting grounds behind. When a tribe later experienced a poor harvest or drought they were forced to turn to the European traders who exchanged goods for future supplies of furs at prices that today would be called profiteering.

The areas that the native people left behind, either due to the aforementioned reason or because of epidemics, were extremely suitable for European colonization that indeed started during the early 17th century. Once the Europeans had a strong foothold in North America the native peoples never succeeded in retaliating. The Europeans had more advanced weapons that in fact could have been parried by the native people's mobility and effective combat tactics, heretofore never seen by the Europeans, but what finally proved decisive was the difference in political systems. While the European system's main purpose was to centralize resources for use by a small government, the native people's decentralized system prevented the North American tribes from mustering joint resistance.

Due to increasing international trade, more and more non-European economies were tied to the European economy, which eventually transformed into a global economy. The new colonies grew, increasing the demand for products, sparking a dynamic, forward-pushing

economic effect.

OVERVIEW

When you click the colonization icon (it resembles a small, light blue ship), the map changes to show which provinces you can colonize (dark green) and which you cannot colonize (bone white). This is called the Colonial map. When you choose a province to colonize, information will appear in the Information window; that is where you choose where to send your colonists. Your colonists may also be used to establish trad-



If you see water in an independent province, a colony placed there will have a port.

ing posts, which will be described later.

It must be noted that not all countries were colonial powers of the same caliber as Spain, Portugal, France, England, and the Netherlands. Countries like Sweden, Denmark, and Curland made attempts along those lines but failed to create lasting empires, mainly due to their less strategic geographical locations and relatively weak economies. To colonize, your country must explore new provinces, and have access to settlers that may be sent out as colonists or traders.

Receiving settlers

You receive an annual number of settlers at your capital. The actual number available to your country depends on several conditions: Whether or not your country lacks coastal provinces. If your capital province has an unobstructed contact through land with your colonies. Whether you have a naval shipyard. Countries with certain state religions acquire more settlers than others. By changing certain domestic policies you can increase the rate. You may also receive settlers through random events.

How to establish a settlement

Click the colonization button. Now you see the map in its colonization view. Bone white provinces are not available for colonization or for establishing trading posts. They are either undiscovered, already fully developed provinces with more than 5000 inhabitants, or belong to other countries. Possible prospects are all of the green colored provinces. If the province is dark green, you already have a colony there; if the color is medium green, you have a trading post; and if the color is light green, you have neither.

Click the province where you wish to establish a settlement, and then click the button "Send trader" or "Send colonist". You will now see a figure unpacking pots from a chest

(trader) or chopping woods (colonist) as a sign of work in progress. When placing the pointer above the trader you will see how long it will take until the result of the attempt to establish the settlement is known. The settler always starts out from your capital, and is portrayed as a horse and carriage and as a small sailing ship. The farther away from your capital, the longer it takes to complete the actual colonization.

SETTLEMENTS

A colony is a province providing some produce and a small amount of trade. Trading posts do not provide any produce to speak of, but instead provide a better trade value affecting the center of trade to which it belongs. By establishing many trading posts, preferably in provinces producing unusual goods, you quickly increase the trading value of the center of trade they belong to, and if you have a monopoly or a large number of merchants there, you will receive good revenues from your invested funds. The trading posts may be improved up to six levels. At the higher levels the trading posts have a great trading value.

You build trading posts by sending out settlers. Click the colonization icon. As mentioned previously, you have some settlers available – the number is shown in the line above the map. These can be used either as colonists or for trading posts. Historically, the first colonization's happened when the European countries first established trading posts in an area, and later on colonized it. Trading posts are cheaper than colonies and are usually easier to establish than colonies.

Colonies

A colony may have up to six levels, where each level represents 100 inhabitants. When a colony exceeds 600 inhabitants it is turned into a normal province with a city. From then on you are able to recruit troops and build fortifications in the province.

Note that the economy of the province develops over time as the population grows. From the moment you have established your colony, it experiences a monthly change in population. It is positive if the country has a high level of stability, and negative if stability is low. This means that a first level colony may develop into a province with a city without you having to send more colonists. Population growth will not be very high, which means that such a development will take a very long time. A first level colony rarely produces any revenue, while a sixth level colony is more or less a small province. Each new colonist brings along 100 people. When you establish a colony it may happen that the colony receives the state religion of your country, and that may be interpreted as the presence of a number of priests among the colonists. It is an advantage if the religion of the province is the same as the state religion, as differences may result in rebellions during times of unrest.

Trading posts

What are the advantages and disadvantages of trading posts? The advantage of having trading posts compared with colonies is that they are cheap. It is a cheap and practical tool to "claim" what is yours and thereby tell other countries to stay away. You may at any time send a colonist and turn the trading post into a colony.

Additionally, some parts of the world are directly unsuitable for colonization, but trading posts are always feasible. Greater parts of Africa and Asia have climates, which prohibited almost all colonization prior to the 19th century. Finally, and perhaps most importantly, trading posts produce high trade values, especially when trading in unusual and exotic products. If you manage to establish a number of such posts and also manage to acquire a monopoly, trading posts can be a lot more profitable than colonies.

Establishing trading posts is the quickest and easiest way to raise the total trade value of a center of trade.

The drawbacks of trading posts are that they do not increase the population of your country, and therefore do not increase your production and tax values. Trading posts also lack ports, which limits the reach of your fleets. You may not build fortifications, recruit armies, or build any fleets at your trading posts. This makes them quite vulnerable to attacks. Additionally, the maintenance ability is low in provinces with trading posts, which means that attrition is very high. Finally, while colonies may only be transferred to other countries through peace treaties, enemy army units in the province may burn trading posts.

If your army unit is in a province with an enemy trading post, a "Burn trading post" button will appear in the information window. If you press the button the trading post will disappear and the province will be emptied.

COLONIZATION OF THE NEW WORLD

We have mentioned that trading posts are cheaper than colonies, and most often the attempt to establish a trading post has a greater chance of success than an attempt at colonization. Furthermore, it is easier to establish a colony in a province where you already have a trading post, compared with a neutral province.

Chances to succeed

The chance of establishing a colony or a trading post along with its respective costs depends on a number of things. The cost is lower and the chance of success higher if you have a conquistador in your province or an explorer in an adjacent sea zone; if it is a coastal province; if it borders on a province with a town or a colony belonging to your nation; and the number of earlier attempts at

colonization. The cost and chance is also heavily dependent on the aggression level of the natives, the distance to your capital, whether it already contains a trading post, colony or town, and what level it may have. The climate of the province also plays a part.

Local inhabitants

When you discover an independent province to colonize, there are a couple of questions you should ask. First, check to see if the province contains local inhabitants, and in such cases, also check their numbers (in game terms, how many warriors they furnish at any given time) and the aggression level. You have two choices. Either you may send army units to destroy all enemy forces or you make an attempt at colonizing, even though the local inhabitants are still in the province. The advantage of your first choice is that you have a higher chance of success, with the result that there are no longer any locals to start an uprising that may take over or massacre your colony.

The advantage of the second alternative is that when you have successfully sent seven colonists to the province, or more precisely when it exceeds a population of 600, it develops into a town and the local inhabitants are added to the population, which in turn may provide very high populations and thereby a high income. Base your choice on the aggression level of the locals, which varies from province to province but falls within a scale of "Very low" to "Very high."

Explorers and Conquistadors

Explorers and Conquistadors are often absolutely necessary if your country is to become a real colonial power. Explorers explore sea zones that are Terra Incognita, and conquistadors explore provinces that are Terra Incognita.

Note that there are areas that are Permanent Terra Incognita that may never be explored. When a country reaches a certain Technology Level any "normal" commanders

may discover provinces and sea zones that were previously Terra Incognita, but it takes much longer, when compared with explorers and conquistadors.

Conquistadors and explorers also have some unique abilities, which is why they are called specialists and not commanders. Conquistadors and explorers provide lower attrition rates for their respective fleets and army units. This is due to their personal courage and excellent ability to lead these units into the unknown. Conquistadors also receive a bonus in pitched battles against natives, due to the better weaponry of the Europeans, and the ability to turn cultural beliefs about gods and myths to their own advantage. Finally, the conquistadors have a nasty ability to spread disease among the natives in the provinces through which they pass.

Note that the measles, smallpox, and the common cold were some of the most important reasons why the Europeans managed to establish control over America.

Note also that none of the special values has any effect in Europe and that the power value is much lower there than beyond the borders of Europe.

Explorers might need to get ashore from time to time; otherwise they can disappear because of attrition. A good tactic is to establish colonies here and there, so that your explorers do not have to travel far every time they go to explore Terra Incognita. Regarding the conquistadors, it may be a good idea to develop at least one colony into a town in every important region or continent you try to explore, as you may then periodically increase the army of the conquistador, as even these units suffer attrition.

As the conquistador increases the chance of a successful attempt at colonization, it may be a good idea to return with a conquistador to a colony when you want to speed up the development by sending more colonists. Remember that it may be a good idea to "claim" a province you can't afford to colo-

nize by establishing a trading post, as the trading post is both cheap and easy to establish.

COLONIAL STRATEGY

Whether it is best to concentrate on a few colonies and develop them into towns, as fast as possible, or to go for more colonies that partly run themselves and let them develop over time with the population growth, is not an easy question to answer. It all depends on the style of the player, the position of your country on the map, what the other countries are doing, where your colonies are located, et cetera.

The important thing to keep in mind is that a good balance between trading posts and colonies is very profitable for your nation, as you receive higher income from both production and taxes, and from trade. Compared with colonies, trading posts provide higher revenues in a shorter period of time at a lower price. The only problem is in defending them. Another good point is that, no matter what strategies you choose, you always have to find a way to defend your possessions. Remember that if, for example, you have decided to colonize North America, (between 50 to 100 colonies) with Level 1 colonies, and if you have not deployed any army units or fleets as protection, your transatlantic empire will be a quick and easy target for any of your neighbors. Even computerized countries enjoy free lunches.

Protecting Your Colonies

As has been mentioned earlier, colonies and trade centers need protection. The attrition rate of the army units are often very high in provinces with trading posts and high in provinces with colonies. For this reason it is often a good idea to expand a colony into a town, preferably in a province within marching distance of your other colonies and trading posts. You may only recruit army units and build ships for your navies in provinces

with towns. Unless you want to transport a great number of army units that are rapidly worn out all over the oceans, it is important that you try to create a small, civilized zone in an ocean of colonies.

It is also appropriate to base naval forces at strategic points along your new provincial coasts, in order to fight pirates and to ward off enemy troops. We should mention that a trading post may never provide the province with a port, which in some regions (i.e. Africa) means that you may have to build colonies in less profitable locations if you want to be able to sail safely from Europe to India or Asia, or if you want to be able to defend any of your trading posts in Africa.

Note that diplomacy is a natural tool for protecting your colonies and trading posts. If, for instance, the Netherlands were creating a small trade empire with unprotected colonies and trading posts spread all over the world, it would be wise not to make enemies with powerful powers like Portugal.

REBELS & OTHER SCUM

Rebellions were fairly common during the period, primarily during the early part, the 16th and 17th centuries, while decreasing in scope and frequency during the later years. There are several reasons for this. Normally, rebellions were caused by social or religious injustices against the broad base of society, known as "peasant uprisings."

A successful rebellion required leaders and even administrators in order to compete with the governmental power, and this is where the nobility and prominent townsmen entered the picture. Any successful rebellion required that all levels of society got involved if they wanted to change social reality. A few such "successful" rebellions are the war of liberation of Gustavus Vasa, and the French Revolution, but even properly organized and solid rebellions could fail in the end. The fewer rebellions at the end of the period were usually due to the fact that

few rebels had access to the modern weapons technologies available to the government, and the increasing difficulties in uniting different social classes. The arm of the government had become longer, and its grip was also much stronger.

REBELLIONS

The risk of rebellion varied from province to province. In order to review the risk of rebellion as a percentage value, click the church of the province and point at "Risk of Rebellion." You will then see what the risk is, and what is causing it. You may also look at the map showing religions, where you see all provinces with various levels of shading. The darker the shade, the greater the risk of rebellion.

Causes

The two most important causes for rebellion are the level of stability and the level of tolerance of the monarch and the government toward the religion of the provincial population (note that a province may have another religion than the "state religion"). The risk of rebellion is in direct proportion to the stability and the level of tolerance; that is, the lower the values, the greater the risk of rebellion, and vice versa. There are also a few general factors affecting the risk of rebellion. The risk is always lower in the province with your capital, because the monarch and the government have much better political control, compared with the other provinces. If you have built a factory in the province the risk is lower as the population has a higher production, which results in a higher standard of living. On the other hand, the risk will increase if you have appointed a bailiff as tax collector, as more efficient taxation leads to less income for the population. You may also lower the risk of rebellion by appointing a lawyer as high judge, as this improves the judicial system and the police. Provinces with a different culture than your ruling culture will have a higher revolt risk.

Rebellion may also break out due to historical or random events, some of which may be of quite substantial nature. One is called "Dutch nationalism" and will occur sometimes during the second half of the 16th century. It will result in a heavily increased risk of rebellion in the Dutch core provinces, which originally belonged to Spain. Another is the "American fight for independence" during the second half of the 18th century.

Effects

What happens when there is a rebellion? Each month there will be a check in each province, and the risk for an uprising is directly proportional to the revolt value in each province. When a province rebels, a rebel army unit appears, carrying a red and black flag. It immediately engages any regular army units in the province and then starts a siege of the fortified city. If the rebel forces manage to take the province, the rebel flag will fly above the city. If the city garrison also rebels, then the rebels will automatically control the city. This means that the rebels will control the province, the risk of rebellion will increase in each adjacent province, and that the rebel forces will move into the next province in order to conquer it. A rebellion may spread like wildfire all over your country if you are unable to stop it in time.

The same negative factors apply to provinces controlled by rebels as to provinces controlled by other enemies, so you do not get any income from the province until you have managed to retake it. If the rebels manage to take control of enough provinces (the number to be controlled varies from country to country), two things may occur. Either the rebels are allowed to take over the sovereignty of certain provinces (see "Liberation movements" below) or the "government will fall." If the government falls, you lose a whole lot of victory points but the stability is set to +3 and you regain all of your provinces that used to be controlled by the rebels as all rebel

army units disappear. The negative consequences are that you lose all provinces controlled by enemy nations, as well as the risk that your country will change its state religion.

Quelling rebellions

How do you get rid of a rebellion? If low levels of tolerance caused the rebellion, these can be changed. If the level of stability in your country is low, you may try to change that, because the risk for revolts decreases if stability is high. But if a rebellion has succeeded, and you now have a rebel force in your country, your only way to deal with it is through the use of force, sending an army into the province and defeating the rebels in a field battle. The rebels will never retreat. If the morale of the rebels reaches the panic level the unit simply dissolves. Do not forget that provinces conquered and controlled by rebels will generate new rebel forces, so they must be reconquered in order to put a stop to the rebellion.

Liberation movements

A liberation movement may start as a regular rebellion, but may develop after a while into a liberation movement with demands of independence. Certain areas, like Brittany, Norway, Catalonia, and the Ukraine, among others, may develop into liberation movements, and then proclaiming their independence, but this is also true for formerly existing countries that have been annexed during wars. The provinces under the control of the rebels are simply transferred from your country to a new country, which has just appeared. The new country starts its existence automatically at war with your country. There is nothing special that prevents you from conquering the new country and annexing it.

PIRATES

The period between 1492-1792 may be

described as the golden age of piracy. Pirates worked in more or less all the known seas, mainly because of the lack of any protective bases. The relatively unprotected trade caused piracy. The colonial powers naturally tried to protect their trade, but they were not able to patrol the oceans beyond Europe until the later part of the period. Nevertheless piracy continued and still exists today, although on a lesser scale.

Piracy involves enormous risk, but can result in very high profits if you are lucky.

Pirates are autonomous fleets cruising the sea zones close to centers of trade. The goal of the pirates is to exploit the weakly



If you claim this office, you will automatically have a Casus Belli against any country with a different religion that attacks a country of the Protestant or Reformed faith.

protected lucrative trade far away from the European naval bases, thereby stealing as much as possible. Pirates, (naval units) may

never be controlled by a player but are always autonomous. Pirates are automatically at war with every country in the game, and may attack and be attacked by all countries in the game at any time. Note that a country does not have to declare war to attack pirates. A country is never at war when pirates attack their ships. The country does not lose any stability, and may not issue any war taxes, etc. Pirates influence economy and trade in the area they reside in by capturing ships and attacking coastal provinces. In all provinces adjacent to a sea zone with pirates, tax income and trade values are lowered by 0.5 ducats for each ship of the pirate fleet. In this way pirates affect both the annual and monthly incomes.

The only way to get rid of pirates is to wipe them out by sending a fleet and defeating the pirates in a naval battle. Note that the pirates may return, because even if the risk was great, the chance of profit was even greater. We also recommend placing a fleet in the vicinity of any sea zone where pirates have attacked, in order to quickly eliminate any further attempts. Finally, pirates strongly dislike fortifications, as they make it harder to attack your coastal provinces. Building fortifications lessens the risk of pirates appearing at your coasts, thereby leaving your income untouched.

Privateers

A nation that has reached a certain naval technology level may commission privateers. When you click in a sea area, you will have a button available for their creation in the information window. They work exactly like pirates, so once created, you don't have any control over them. In fact, they could end up raiding your own coasts and ships. However, they are an alternative to costly regular fleet operations for poorer nations or nations that want to inflict damage to their rivals without getting directly involved. Note however that your relations with a country will suffer if you create a privateer directly outside one of

their coastal provinces.

EVENTS & SPECIAL CASES

EVENTS

We have mentioned earlier that events may affect your country and its dealings. These may be of a political, economic, social, religious, or military nature, and may be either temporary, i.e. occurring between two dates, or may become permanent. Some events are random and could happen at any time or even not at all, while others will always occur and at a specific date, like new monarchs and the appearance of historical commanders.

Historical events



The religious map mode shows the extent of the Holy Roman Empire. The rollover gives further information.

The events with a *sonit* correspondence to history (except monarchs and commanders) are still dependent on the situation in the actual game if and when they are going to happen. If the conditions are met, it could still be uncertain at what exact date it will appear.

The player usually has a number of direct choices to make when the event occurs. The choice will then affect the impact of the event. For example, if you play the USA, you will be able to choose the president i.e. “monarch” from the historical candidates. In addition to the given characteristics of the new ruler of the country, the choice will immediately affect your domestic policies.

In the Religion chapter, the important historical events affecting religion were described. Below are just two examples of other historical events.

The Treaty of Tordesillas – A Historical Event

The Treaty of Tordesillas formalized the decree of the Pope that the world west of the Azores should belong to Spain and that the eastern half should belong to Portugal. The dividing line was later moved to the west of the Cape Verde islands, allowing Portugal to keep its possessions in Brazil. The world was also divided in the Pacific to let Spain keep the Philippines. Portugal got everything west of the line and Spain everything to the east. The borders of the Treaty can be seen on the map, i.e. the one you use when you want to send colonists.

With the occurrence of this event, and if Spain and Portugal are Catholic, they can attack other Catholic countries' colonies and trading posts without formally declaring war. The Treaty of Tordesillas ceases to be valid when the Edict of Tolerance occurs (see Religion).

THE HOLY ROMAN EMPIRE

During the period the Holy Roman Empire was not a single nation, like Sweden or England, but rather a supranational organism. During the Middle Ages it was supposed to be a country, a vast Christian Roman empire. It had its origins in the efforts of Charles the Great to reestablish the Roman Empire. The efforts failed when his sons and grandsons divided the realm and started to fight over it. At the end of the Middle Ages the Empire had been quite decentralized, reducing the emperor's power. The Empire consisted of a number of independent states, with more or less their own foreign policies. Some of these states were called electors and elected the emperor at certain times.

In the game, the Holy Roman Empire con-

sists of all of the independent states within its borders, except for the Italian countries, Switzerland and the Netherlands. The Hapsburg dynasty ruling Austria and Bohemia had at this time been able to make the crown go from father to son within the dynasty, but the office of emperor still had to be appointed by election, and this remained.

Every time the emperor dies, the heir is to be elected by the members, electors, of the Holy Roman Empire (in 1419 roughly today's Germany, Benelux, Austria, Czechoslovakia, north-western Italy, eastern France and Switzerland). The election is decided by checking which Christian country has the best relation to all the electors. The candidate countries have to meet certain minimum criteria's regarding size and strength in order to be eligible. The country with the highest sum becomes new emperor. This new country can be outside the empire's borders, such as Spain or France.

The office of emperor of the Holy Roman Empire has certain advantages. The emperor may freely move all of his troops throughout all of the provinces of the entire empire if he is at war. He also has an easier time improving his relations to all of the countries within the empire. You also gain victory points if you are elected emperor.

The border of the empire does not necessarily run along national borders. Members of the empire can own provinces outside the empire and non-members own provinces inside. There is an exception. If a province of the Holy Roman Empire is somehow given up to a Moslem country through peace treaties or annexation, the province is no longer part of the Holy Roman Empire, as the Turkish sultan may never hold a fief under a Christian emperor, regardless of the size of the land.

Note that conquered and annexed electors no longer count as electors, and neither may the conqueror "assume" the office of

elector.

DEFENDER OF THE TRUE FAITH

This is a religious office with a separate seat open for each of the following religions: Catholicism/Counter reformed Catholicism, Protestantism/Reformed, Orthodox, Sunni Muslim and Shia Muslim. Only one nation at the time from each religion can hold the title. The advantage with it of this title is that it gives you a Casus Belli against any nation that wages war against a nation of the same faith as yours. However, if you lose a war you will also lose the title, which becomes open for the other countries again

MONARCHS

The development of your country is affected by a number of factors. It is affected by everything you may do that is described in the rules, along with everything that your opponents are doing and how they are reacting. We have mentioned earlier that you are playing the man behind the throne, "the gray eminence." This means that the monarchs of your country are succeeding each other over time. The qualities of your monarch affect the development of your country in a number of areas. Each monarch has a military, an administrative, and a diplomatic skill.

The military skill provides a continuous research bonus in both land and naval military technology. Note that a monarch does not have to be skilled on the battlefield to obtain a high level of military skill, but may be a reformer with strong interests in technological and organizational development. Examples of such monarchs are the Swedish king Charles XI and the Ottoman sultan Süleyman the Great. If the monarch is a great leader on the battlefield, your country will then gain a supreme commander in the monarch.

The administrative skill provides a continuous research bonus for infrastructure

and trading technology, along with an investment bonus for stability.

The diplomatic skill affects your foreign political relations every time your country is involved in diplomatic activities. The higher the skill of your monarch, the greater your chance of making successful suggestions.

THE ARCHIVE

For the player, the archive is equivalent to the Renaissance prince's royal secretary. A lot of the information you might need is stored systematically in the archive. As with all other kinds of information it may initially be hard to see the forest for all the trees, but by using the archive effectively you will soon realize what a gold mine it really is. It is the only way you may see how your country fares in comparison with your opponents. When you click the icon showing a small book in the information window, the game pauses and the archive opens on the last page you accessed.

There are three ways of browsing through the pages. You may either right click on any page to view an index, where you click on the page you want to view. Or you may turn one page at a time by using the arrow keys on your keyboard. The third way is by clicking the arrow icons of the archive. You may also change chapters by clicking the icons for each chapter, which you will find below the page you are looking at. If you do, the archive will open on the first page of the chosen chapter. There are two types of pages—those that present data in tables, and those that display the data in graphs. To sort data into tables, just click on the corresponding column and it will be sorted according to the label. For example, if you click on Year of Aascension in the Monarch table you will see the monarchs in chronological order. You may also add/remove data in the graphs by checking or unchecking the boxes at the bottom of the page. Checked boxes will show the data, unchecked boxes will not. When many lines

in the graphs are very close to each other it is often hard to see which one is which. A good tip is to check/uncheck the needed lines several times to make them blink. An example of this is the graph for naval military technology development, in which the leading nations may be very close to each other in the race for new improvements.

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Previous technology

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Music up until 1500 AD

JUCD3_17_Anonymous.mp3
Anonymous (Northern France, ca 1200):
Estampie. Joculatores Upsaliensis.
JUCD3_23_RosaBella.mp3

Dunstable, John (ca 1380-1453): O Rosa Bella/Anon. (ca 1470): Quadlibet: O Rosa Bella. Jocularores Upsaliensis. JUCD3_26_DelEncina.mp3 del Encina, Juan (1469-1529?): Todos los bienes. Jocularores Upsaliensis. JUCD3_5_Senfl.mp3 Senfl, Ludwig (ca 1489-ca 1543): Mit Lust. Jocularores Upsaliensis. JUCD75_13_Anonymous.mp3 Anonymous (ca 1480): Glogauer Liederbuch/ Der Sonnen Glanz. Jocularores Upsaliensis. JUCD75_18_Falalalan.mp3 Anonymous (ca 1500): Falalalan. Jocularores Upsaliensis. SPACD163_10_TristeEspaña.mp3 del Encina, Juan: Triste España. Atrium Musicae de Madrid/Gregorio Paniagua. SPACD163_27_hoffdantz.mp3 Judenkönig, Hans (1445-1526): Ain Spaniyelischer hoff dantz. Atrium Musica de Madrid/Gregorio Paniagua. SPACD163_3_Danza.mp3 de la Torre, Francisco: Danza alta, sobre la Spagna. Atrium Musica de Madrid/Gregorio Paniagua.

Music 16th Century

JUCD3_15_Tielman.mp3 Susato, Tielman: From Danserye 1551/Basse Danse Entré du fol. Jocularores Upsaliensis. JUCD3_2_Tielman.mp3 Susato, Tielman: Danserye/Ronde Il esoit une filette. Jocularores Upsaliensis. JUCD3_5_Senfl.mp3 Senfl, Ludwig: Im Maien. Jocularores Upsaliensis. JUCD3_8_Phalse.mp3 Phalèse, Pierre: Pavane sur la bataille (Antwerp 1572). Jocularores Upsaliensis. JUCD75_10_Morley.mp3 Morley, Thomas (1557-ca 1603): Now is the Gentle Season. Jocularores Upsaliensis. JUCD75_2_In_dulci_iubilo.mp3 Petri collection (Greifswald 1582): Piae Cantiones/in dulci iubilo. Jocularores Upsaliensis. JUCD75_23_Santarello.mp3 Anonymous (Italy): Saltarello. Jocularores Upsaliensis. JUCD75_31_Upsala.mp3 Cancionero de Upsala (Venice ca 1550): Rey

Aquien. Jocularores Upsaliensis. JUCD75_8_Vulpius.mp3 Vulpius, Melchior (ca 1560-1615): Die beste Zeit. Jocularores Upsaliensis.

Music 17th Century

AHCD982_3.mp3 Couperin, Louis (ca 1626-1661): Suite in A minor/partial. Asami Hiroasawa. FCCD799_16_Gigue.mp3 Corbetta, Francesco (1615-1681): Gigue. Jakob Lindberg. FCCD799_8_Allemande.mp3 Corbetta, Francesco: Allemande. Jakob Lindberg. JDCD_315_10_GeorgeWhitehead.mp3 Dowland, John (1563-1625): M. George Whitehead his Almand. The Dowland Consort. JDCD_315_16_MistressNicholsAlmand.mp3 Dowland, John: Mistress Nichols Almand. The Dowland Consort. JDCD_315_21_NichoGryffith.mp3 Dowland, John: M. Nicho Gryffith his Galiard. The Dowland Consort. SPACD163_31_Furioso.mp3 da Sarmoneta, Marco Fabritio Caroso: Furioso (La Spagna). Atrium Musica de Madrid.

SPACD163_9_Spagnioletta.mp3 Farnaby, Giles (1560-1620?): Spagnioletta. Atrium Musica de Madrid. TTCD644_17.mp3 Selle, Thomas (1599-1663): Domine exaudi. Triton Trombone Quartet. TTCD644_24.mp3 Cesare, Giovanni Martino (1590?-1667): Canzone La Bavara. Triton Trombone Quartet. TTCD644_4.mp3 Scheidt, Samuel (1587-1654): Sonata in D minor. Triton Trombone Quartet. HSCD831_17.mp3 Schütz, Heinrich (1585-1672): From Geistliche Chormusik. Bach Collegium Japan/Suzuki. HSCD831_6.mp3 Schütz, Heinrich: From Geistliche Chormusik. Bach Collegium Japan/Suzuki.

Music 18th Century and very early 19th Century

VCD_275_3_Spring.mp3 Vivaldi, Antonio (1678-1741): From The

Spring/Four Seasons. Nils Erik Sparf/Drottningholm Baroque Ens. AHCD982_17.mp3
Couperin, Francois (1668-1733): Les Folies Francoises. Asami Hirosawa. AHCD982_30.mp3
Couperin, Armand-Louis (1727-1789): La du Breuil. Asami Hirosawa. SBCD1159_11.mp3
Bach, Johann Sebastian (1685-1750): Partita in A minor/Corrente. Sharon Bezaly. TTCD644_10.mp3
van Beethoven, Ludwig (1770-1827): Three Aequale. Triton Trombone Quartet. VCD_275_11_Autumn.mp3
Vivaldi, Antonio: From The Autumn/Four Seasons. Nils Erik Sparf/Drottningholm Baroque Ensemble. VCD_275_11_Winter.mp3
Vivaldi, Antonio: From The Winter/Four Seasons. Nils Erik Sparf/Drottningholm Baroque Ensemble. AHCD982_14.mp3
Couperin, Francois : L'engageante. Asami Hirosawa. VCD_275_6_Summer.mp3
Vivaldi, Antonio: From The Summer/Four Seasons. Nils Erik Sparf/Drottningholm Baroque Ensemble. 1177\bis - 05 - Track 5.mp3
van Beethoven: Piano Concerto No 2 in B flat major/Adagio. Fumiko Shiraga/The Bremen String Soloists. 1177\bis - 06 - Track 6.mp3
van Beethoven: Piano Concerto No 2 in B flat major/Rondo. Fumiko Shiraga/The Bremen String Soloists. 1235\bis - 1235 - 01.mp3
Händel, Georg Friedrich (1685-1759): Gloria in Excelsis Deo. Emma Kirkby/ Royal Academy of Music. 1235\bis - 1235 - 03.mp3
Händel, Georg Friedrich: Laudamus te... Emma Kirkby/ Royal Academy of Music. 1235\bis - 1235 - 12.mp3
Händel, G F: Dixit Dominus/Juravit Dominus...Martinpelto/vonOtter/Stockholm Bach Choir/Drottningholm. 1235\bis - 1235 - 15.mp3
Händel, G F: Dixit Dominus/De torrente...Martinpelto/vonOtter/Stockholm Bach

Choir/Drottningholm Bar. 433\bis - 02 - Track 2.mp3
Mozart, Wolfgang Amadeus(1756-1791): String Quintet in B flat major K.V.174. The Orlando Quartet/Imai. 433\bis - 07 - Track 7.mp3
Mozart, Wolfgang Amadeus: String Quintet in C minor K.V.406. The Orlando Quartet/Nobuko Imai. 433\bis - 08 - Track 8.mp3
Mozart, Wolfgang Amadeus: String Quintet in C minor K.V.406. The Orlando Quartet/Nobuko Imai. 445\bis - 445 - 11.mp3
Bach, Johann Sebastian: Prelude in F Minor BWV534. Hans Fagius. 445\bis - 445 - 16.mp3
Bach, Johann Sebastian: Prelude in A minor BWV543. Hans Fagius.

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PAN Vision

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COMMANDS FOR THE USER INTERFACE



opens the chat function of the network game.



saves a screenshot as a bitmap picture on your hard disk.



pauses the game/Restarts the game in progress.



increases game speed (not available in network games).



decreases game speed (not available in network games).



increases map size.



decreases map size.



often functions as Yes/No in dialogue windows.



opens the console. Press again to close.



centers the map on your capital.



lets you view missions or victory points.



are quick commands for easy switching of map views.



opens the start menu for saving and loading games, including settings.



open searchbox



open archive



quicksave



quickload



centers the map on your capital.



associates the chosen unit with that number.



chooses the numbered unit, press the number again, and the map will center on the chosen unit.



divides the chosen unit into two equal parts.



quick command during siege.



to unload armies from a chosen fleet, if you have troops onboard.



forms selected units into a single unit.



PAN VISION



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