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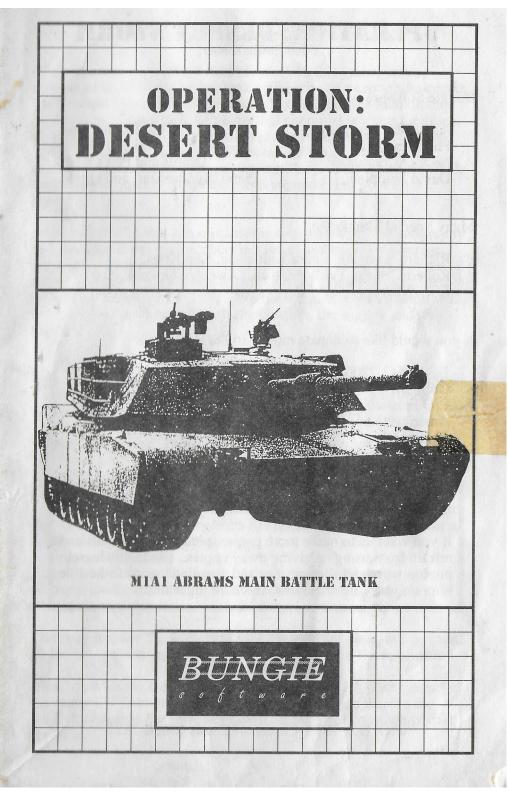
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## **OPERATION: DESERT STORM**

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### Bungie Software is:

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Nick DiCrescenzo: David Seropian: Vocals and Bass Lead Guitar Drums and Percussion Piano, Synthesizer, and Organ

#### Many Special Thanks to:

Richard Seropian, Laura Feddersen, Ken Kries, Robert Catania, Paula Pearson, Lawrence Gryziak, Eric Zylstra.

If you would like to donate money to the Red Cross:

1-800-842-2200 Gulf Crisis Fund C/O Financial Dept. American Red Cross 43 East Ohio Chicago, Illinois 60611

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P.O. Box 7877, Chicago, Illinois 60680-7877

### Introduction

Welcome to *Operation: Desert Storm!* In this game, you command an M1A1 Abrams tank on a series of twenty missions in the Kuwaiti Theater of Operations. Your objectives include the destruction of Iraqi nuclear plants and chemical warfare facilities, the elimination of SCUD missile launchers, and more. Arrayed against you will be a formidable combination of enemy tanks, aircraft, land mines, poison gas and artillery. You'll have to think and respond quickly to get the job done and bring your crew home!

Also included in this game is information regarding the geography and peoples of the region, their industrial and energy resources, the types of weapons used in the conflict, and an analysis of the actual battlefield maneuvers which brought victory to the Allied nations on February 27, 1991. We hope that this information will broaden your understanding of the conflict, the region, and its people.

This manual assumes that you have read *Macintosh*, the Macintosh owner's manual. You should know how to point, click, open applications from the Finder, and choose commands.

To play *Operation: Desert Storm*, you must use System 6.0 or higher on a Macintosh Plus, SE, Classic, LC, SE/30 or a member of the Macintosh II family.

You may transfer the *Operation: Desert Storm* folder to your hard disk, but make sure the Logistics file remains in the same folder as the Desert Storm Application.

You may not change the name of the 'Logistics' file or put it in a different folder than the application; doing so will result in an error.

You may remove the 'NewsSounds' file to save space, but you will no longer get war coverage updates when running the application.

Also, *Operation: Desert Storm* may be hindered if your system has many INITs installed. If this happens, you can disable the INITs by holding the shift key down during your computer's start up cycle.

### **Contents**

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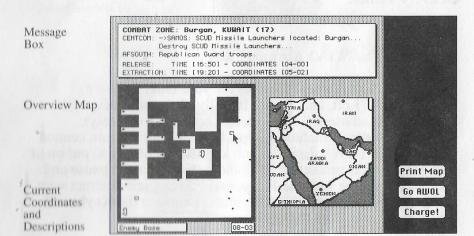
# Warplan Summary:

- Operation: Desert Storm contains twenty missions.
- To start, you must enlist in the Allied forces.
- Each mission begins when you are dropped off, or "released" in the Theater of Operations.
- You must then proceed to the objectives and attempt to destroy or disable them.
- Then you must proceed to the pickup, or "extraction" points.
- If you are successful, you will advance to the next mission. If you complete all twenty missions, victory is yours!

# **Enlisting in the Allied Forces**

- Open the Desert Storm application from the Finder.
- Choose the Enlist command from the File menu to receive your first mission briefing.

The Mission Briefing screen appears.



The Briefing screen contains a message box, a map of the local area of operations (lower left), and a map of the Middle East (lower right). The message box tells you the location and objective of the mission. It also displays the coordinates of your release and extraction. If you click on the Map of the Middle East, it will change to a map of the Kuwaiti Theater of Operations.

You can find out where the extraction coordinates are by moving the pointer over the mission map. The coordinates are displayed in the lower right box. You can also determine the identity of the battlefield objects by pointing at them; a description appears in the lower left box.

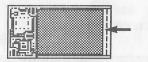
Clicking the **Print Map** button prints the current mission's map. Clicking the **Go AWOL** button returns you to the title screen.

• Click the Charge! button to begin your mission!

# Beginning a Mission

When the mission begins, you are released by an Armored Transport Delivery Vehicle. You will have to meet the same vehicle at the designated time and place to complete the mission. When ready, hit any key to exit the delivery vehicle.

Armored Transport Delivery Vehicle





To board, drive into the mouth of the vehicle.

### **Operating The M1A1 Abrams Tank**

There are five movement controls for your tank: Forward, Reverse, Stop, Left, and Right. Initially, they are configured for numeric keypad users (keys 8, 2, 5, 4 and 6, respectively). Additional controls include a "fire" key for your 120mm cannon (Spacebar), a TOW missile launch key (B), and a key to put on or take off your gas protection equipment (G). You can pause and resume at anytime with the P key, and you can self-destruct with the Q key. To change this configuration, choose the **Keyboard Setup** command from the Options menu.

Your tank cannot fire the cannon or launch TOW missiles while the gas protection is on.

Your tank is equipped with an **Overdrive** mechanism, which may be engaged by holding down the Shift key while hitting the Forward key. Overdrive is disengaged when another key, such as Stop, is hit. Be careful, though: the Overdrive mode uses fuel less efficiently and makes you more vulnerable to land mines.

Larg	est Armed Forces in	1988
USSR China United States India Iraq North Korea	Actives 5,100,000 3,200,000 2,165,000 1,365,000 1,000,000 842,000	Reserves 6,200,000 1,200,000 1,676,000 250,000 650,000 540,000

You will lose a tank if you:

• Are shot by the enemy.

• Collide with the enemy's equipment.

• Enter poison gas without wearing gas protection gear.

• Hit a land mine.

• Run out of fuel. To replenish your fuel, look for extra fuel pods (shown below) on the battlefield which were pre-positioned by the Special Forces Unit.







The M1A1

TOW Missile

Extra Fuel

On the right side of the screen is your instrument panel:



Score

Fuel Level

Missile Supply

Mine Indicator Gas Protection Indicator

Current Time

**Current Coordinates** 

**Extraction Time** 

**Extraction Coordinates** 

Strength Indicator Tanks Remaining

You may carry up to eight TOW missiles.

The Mine Indicator alerts you whenever you approach a mine. If this happens, you should stop and back up.

The **Strength Indicator** tells you how many hits your armor will absorb. A heavier border indicates a stronger tank. Your armor strength will increase as you complete missions.

- The Ba'ath Party came to power in Iraq in 1968 and has been led since 1979 by Saddam Hussein.
- In 1981, Israeli war planes destroyed an Iraqi nuclear plant near Baghdad.
- The Iran-Iraq war began in 1980 and ended in 1988.

# Scoring

For destroying enemy equipment, you will receive the following points:

<u></u>

T-55 Iraqi Battle Tank:

75 Points



T-62 Iraqi Battle Tank with 115mm cannon: 150 Points



T-72 Soviet-built Tank with 125mm cannon: 300 Points



G-5 Howitzer - 155mm gun with 24 mile range: 75 Points



Multidirectional Gunner Stations: 5-8 105mm cannons: 150 Points



Mi-24 Hind - Soviet Helicopter with Gatling Guns and antitank missles: 250 Points



MiG-29 Fulcrum - Soviet-built fighter with ground attack bombs: 350 Points



Mirage F-1 - French-built fighter with laser-guided weapons: 350 Points

You also receive points for picking up POWS and Spoils. Your score is credited for these items at the end of the mission.





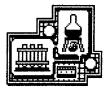
Iraqi Pow: 75 Points

Spoils: 50 Points

Your score is also credited at the end of the mission for destroying the following strategic targets:



Command & Control Center 500 Points



Chemical Weapons Plant 500 Points



Army Bunker 500 Points



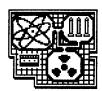
Weapons Depot 500 Points



SCUD Missile Launcher 500 Points



Oil Storage Depot 500 Points



Nuclear Facility 500 Points

### Military Spending in 1988

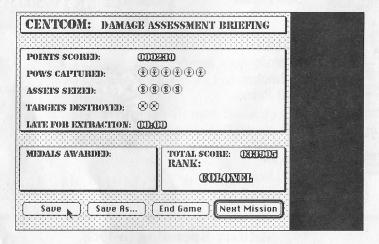
	<u>1985 dollars</u>	Percent of GNP
United States	260,000,000,000	6.4
USSR		est. 9.0 - 11.0
United Kingdom	22,000,000,000	4.7
West Germany	21,000,000,000	3.0
France	21,000,000,000	4.0
Japan	15,250,000,000	1.0
Saudi Arabia	14,500,000,000	22.7
Italy	11,000,000,000	2.4
India	8,250,000,000	3.8
Canada	8,000,000,000	2.1
Iraq	7,000,000,000	26.8
South Korea	6,250,000,000	5.7
China	5,300,000,000	1.9
North Korea	4,000,000,000	9.3

# Completing the Mission

After completing the objective of the mission, you must proceed to the extraction location to meet the Armored Assault Transport Vehicle. The extraction coordinates are given in the instrument panel below the current coordinates. (See page 5)

If you are more than 30 seconds late for extraction, a penalty is assessed. The penalty increases with time. If you lose your bearings, you may display the mission map with **Command-M**.

After extraction, the Damage Assessment screen is displayed.



At this point, your score is credited for spoils, POWS, and strategic targets. Late penalties are also assessed. Your rank is given at the bottom of the screen:

0-5,000 points	Private	20,000-25,000	Captain
5,000-10,000	Corporal	25,000-30,000	Major
10,000-15,000	Sergeant	30,000-40,000	Colonel
15,000-20,000	Lieutenant	> 40,000 points	General

	U.S. Dependenc	e On Fore	eign Oil
<u>Year</u>	Amount in Btu	% of To	otal Consumption (=\$35 billion)
1985	9 quadrillion	27%	
1988	14 quadrillion	37%	

## Saving the Game

While reviewing the Damage Assessment screen, you may save the current game by clicking the Save button in the lower left corner of the screen. You may not save during the missions. If you want to save a different copy of the game, click the Save As button and rename the current game.

### The Next Mission

To proceed to the next mission, click the Next Mission button on the Damage Assessment screen. Complete all twenty missions to win the war!

# Practicing a Mission

You can practice the first nineteen missions by choosing the Practice command from the File menu. You may make yourself immortal during practice by choosing the Practice Immortality command from the Options menu. While practicing, your score is not saved, and you may not progress between levels.

	<b>Dil Production in 1</b> 9 of barrels per day)	988
USSR United States Saudi Arabia China Iraq Mexico Iran United Kingdom Venezuela Canada Nigeria Indonesia Other OPEC Other Non-OPEC	11.68 8.14 5.29 2.73 2.65 2.51 2.26 2.23 1.90 1.61 1.44 1.28 5.87 8.69 58.28	20 14 9 5 5 4 4 4 3 3 2 2 10 15 100

### Reference

#### File menu

#### **Enlist**

Starts a new game. Choose this command to receive your first mission briefing.

#### **Practice**

Allows you to practice any mission. While in Practice mode, your high scores will not be saved, and you may not advance to the next level.

#### Open

Opens a saved game file.

### Ouit

Allows you to quit Desert Storm and returns you to the Finder.

### **Brief History of Islam**

- Islam is the second largest world religion after Christianity.
- Mohammed, the Prophet, was born in Mecca circa 570 A.D. He died in 632.
- The holiest month of the Islamic calendar is called Ramadan. It marks the month during which the central text of Islam, the Koran, was revealed to Mohammed. Ramadan is observed by fasting between sunrise and sunset.
- The *Hadith* is a sacred text of Islam that contains the sayings of Mohammed.
- The Koran was revealed to Mohammed by the angel Gabriel.
- The holiest day of the week for Moslems is Friday.
  The two holiest cities for Moslems are Mecca and
- Medina.
- The first two caliphs (successive rulers) of Islam were Abu Bakr (632-634) and Oman (634-644).

### **Options menu**

#### **Instructions**

Displays instructions for operating the tank and completing the missions. Click on the Forward and Backward arrows to see more information.

#### **Keyboard Setup**

Used to change the keyboard setup. The Set Default button makes the current setup the default. The Load Original Set button returns the Keyboard Setup to its original numeric keypad configuration.

#### Sound

Turns the game sounds on and off.

#### **Show/Hide High Scores**

Shows and hides the High Scores at the title screen.

#### **Clear High Scores**

Erases the current high scores.

#### **Practice Immortality**

Choose this command to give yourself an unlimited number of lives during a practice level.

### Specs menu

#### **Combat Specs**

Displays information about the enemy's equipment.

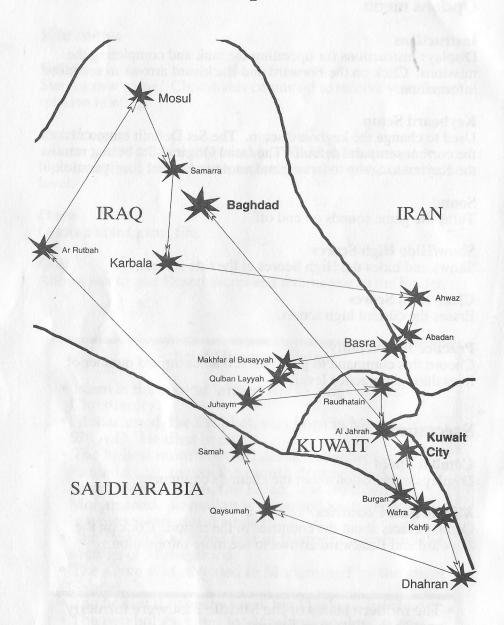
#### **Middle East Countries**

Displays facts about the countries in the region. Click on the Forward and Backward arrows to see more information

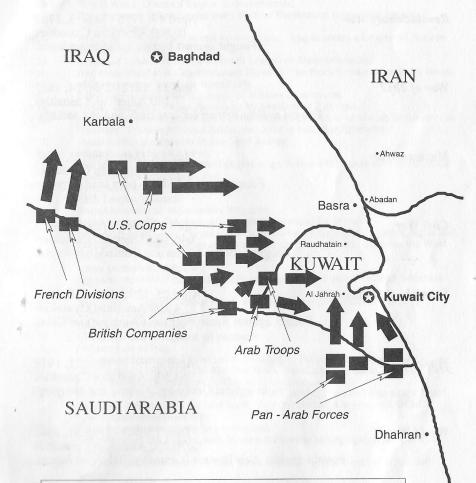
- The modern states of the Middle East were formerly
- part of the Ottoman Empire.

   The Kuwaiti royal family was established by the forces of Great Britain.

# **KTO - Mission Map**



# Gulf War Battle Map



In one of the most impressive strategic manoeuvres in military history, the Allies swung around Kuwait from the west and enclosed the Iraqi armed forces within the newly defined KTO. General Colin Powell proclaimed, "We are going to cut it off and then we are going to kill it!" and that is exactly what they did. The Allies bluffed a massive Marine amphibious assualt. While Saddam amassed his troops in Kuwait, the Allies completed the destruction of his communications network. Blind and confused, his troops were easily sealed within Kuwait. Hussein's already dwindling military options became twofold: Surrender or face an attack from all fronts.

The outcome is now in the realm of history.....

# **American War History**

Revolutionary War	April 19, 1775 - Sept. 3, 1783 10,800 American Casualties Fought against Britain for Independence
War of 1812	June 18, 1812 - Dec. 24, 1815 7,100 American Casualties ught against Britain for free trade and sea passage
Mexican War	May 13, 1846 - Feb. 21, 1848 5,900 American Casualties Fought against Mexico over land disputes
Civil War	April 12, 1861 - April 9, 1865 646,400 American Casualties Fought between Union and Confederate forces.
Spanish - American War F	April 25, 1898 - Dec. 10, 1898 4,100 American Casualties ought against Spain over the sovereignty of Cuba.
World War I	April 6, 1917 - Nov. 11, 1918 364,500 American Casualties Fought against Germany, Austria, and Hungary.
World War II Fought	Dec. 7, 1941 - Dec. 31, 1946 1,076,250 American Casualties against Axis Powers (Germany, Italy, and Japan).
Korean War	June 25, 1950 - July 27, 1953 157,530 American Casualties Fought against North Korea.
Vietnam	Aug. 4, 1964 - Jan. 27, 1973 211,438 American Casualties Fought against North Vietnam.
Persian Gulf War	Jan. 17, 1991 - Feb. 27, 1991 445 American Casualties Fought against Iraq over liberation of Kuwait.

# Timeline

		•
	1914-18	World War I; Ottoman Empire is dismembered.
	1917	British occupy Palestine and issue Balfour Declaration supporting Jewish
		homeland there.
	1918	British occupy territory which becomes Iraq. Iraq becomes a League of Nations
	1020	mandate after the war.  Syria and Lebanon become a French League of Nations mandate.
	1920 1921	Iraq established as a kingdom under Faisal I. The British maintain military bases.
	1921	Military coup in Iran ends British rule.
	1922	Palestine becomes British League of Nations Protectorate.
	1923	Transfordan (now Jordan) is created by partition of Palestine.
	1930	Nazism and persecution of Jews in Europe increases flow of Jewish immigrants to
		Palestine. Friction between Arabs and Jews in Palestine increases.
	1932	Saudi Arabia is created with Ibn Saud as king.
	1936	Oil is found in Saudi Arabia. Muhammed Reza Shah Pahlavi begins reign in Iran which lasts until 1979. Rapid
	1941	modernization program begins.
	1944	Syria becomes independent.
	1945	Arab League founded.
	1946	Jordan becomes an independent kingdom.
	1948	Israel is created in Palestine as a national homeland for Jews.
	1948-49	First Arab-Israeli War. Israel repulses invasions by Egypt, Iraq, Jordan, Syria and
	*	Lebanon. Palestinian refugees flee to Arab countries. Jordan occupies the West
		Bank.
i.	1951 1953	Libya gains independence.  Egyptian republic is established following anti-British unrest. British withdraw
	1933	troops in 1954.
	1956	Suez Crisis. Egypt's Nassar nationalizes canal, bringing about invasion by
		Britain, France and Israel.
	1958	Iraq becomes a republic.
	1960	OPEC founded to regulate oil production.
	1963	Military rule in Iraq.
	1964 1967	Palestinian Liberation Organization founded by Palestinian refugees. Third Arab-Israeli War (The Six-Day War). Israel captures Sinai, the West Bank,
	1907	the Golan Heights, and the Old City of Jerusalem.
	1973	Fourth Arab-Israeli War (Yom Kippur War). Egypt, Syria and Iraq attack Israel
	.,	on Jewish holy day and are beat back. Arab oil embargo begins, and OPEC
		causes massive oil price hike.
	1975	Kurdish revolt in northern Iraq is crushed.
	1975	Lebanese civil war begins, with Muslim factions rebelling against the Christian
	1079 70	government. Syria invades. Fundamentalist revolution in Iran. Shah is ousted by followers of Ayatollah
	1978-79	Khomeini.
	1979	Egypt's Anwar Sadat signs peace treaty with Israel in exchange
	.,,,	for Israeli pullout from Sinai peninsula.
	1979-81	United States embassy personnel are held hostage in Iran by
		Khomeini supporters.
	1981	President Sadat is assassinated in Egypt.
	1982	Israel invades Lebanon to remove PLO militiamen. U.S. peacekeeping force stationed in Beirut. 239 Marines killed by a truck bomb.
	1983-84 1986	United States launches air strike against Tripoli, Libya in response to Libyan
	1960	sponsorship of terrorists.
	1986	United States admits to secret arms sales to Iran.
	1987	United States frigate Stark is hit by Iraqi missile in the Persian Gulf; 37 sailors
		killed.
	1988	U.S. Navy warship shoots down Iranian jetliner, killing 290.
	1988	United Nations-sponsored cease fire begins in Iran-Iraq war.
	1988	The PLO issues statement renouncing terrorism and recognizing Israel's right to
	1989	exist. Iran's Ayatollah Khomeini dies.
	1990	Iraq invades Kuwait and threatens invasion of Saudi Arabia.
	.,,,	

15

# Glossary

A-6E	Intruder: Carrier based long range bomber
A-10	Thunderbolt: Battlefield support jet
ACCHAN	Allied Command Channel
ACE	Allied Command Europe
ACLANT	Allied Command Atlantic
AFSOUTH	Allied Forces Southern Europe
AH-1W	Sea Cobra: Attack helicopter
AH-64	Apache: Battlefield helicopter
AV-8B	Harrier: Ground support jet
AWACS	Airborne Warning and Control System
B-52	Stratofortress: Long Range Bomber
CBR	Chemical, Biological, or Radiological agents
	used as weapons
CENTAG	Central Army Group
CENTCOM	U.S. Central Command headed by H. Norman
0211100111	Schwarzkopf
CENTO	Central Treaty Organization
F-4G	Wild Weasel: Tactical bomber
F-14	Tomcat: Air to Air fighter
F-15	Eagle: Long range fighter
F-16	Falcon: Air combat fighter - Attack jet
F-111	Aardvark: Long range tactical fighter-bomber
F-117A	Stealth: Tactical fighter
F/A-18	Hornet: Carrier based fighter
LAV	Light Armored Vehicle
M-60	Marine Corps Battle Tank
M1A1	Abrams: US Main Battle Tank
M2	Bradley: Light Armored Fighting Vehicle
MLRS	Multiple Launch Rocket System
NADGE	NATO Air Defense System
NATO	North Atlantic Treaty Organization
NORAD	North American Air Defense Command
Patriot	American Anti-Ballistic Missile
SAC	Strategic Air Command
SACEUR	Supreme Allied Commander Europe
SALT	Strategic Arms Limitation Talks
SAMOS	Satellite and Missile Observation System
SCUD	Soviet Tactical Missile
SEATO	South East Asia Treaty Organization
SHAPE	Supreme Headquarters Allied Powers in Europe
Tomahawk	Computer Guided Cruise Missile
TOW	Tube Launched, Optically Tracked, Wire
	Citate distant

# **Further Reading**

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