World War II

Mobilization for war, War in Europe, War in the Pacific

1941-1945

Photo # NH 72273-KN Poster by Allen Sandburg, 1942

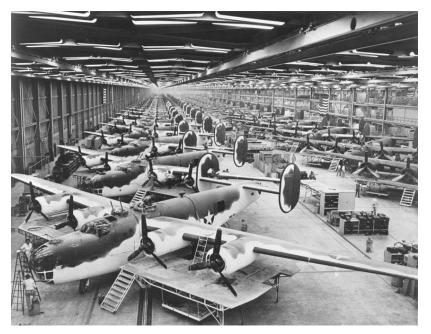


Photo # NH 72273-KN Poster by Allen Sandburg, 1942 ...we here highly resolve that these dead shall not have died in vain ... REMEMBER DEC. 7th



War Time Manufacturing

 Americans converted their auto industry into a war industry

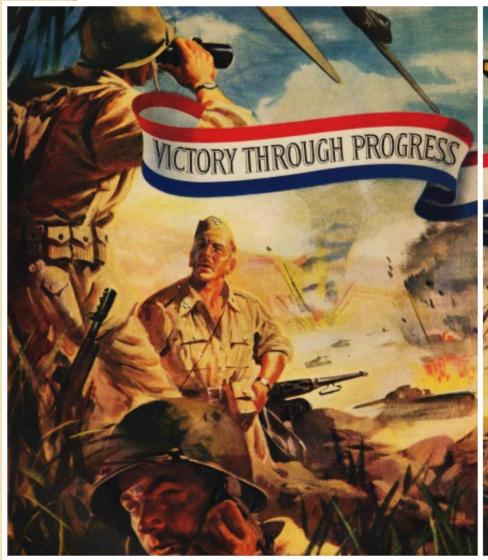


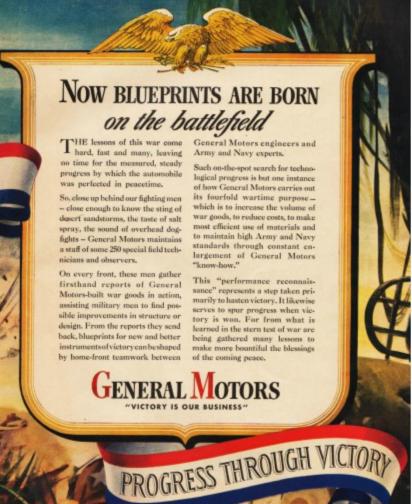


Economic Conversion



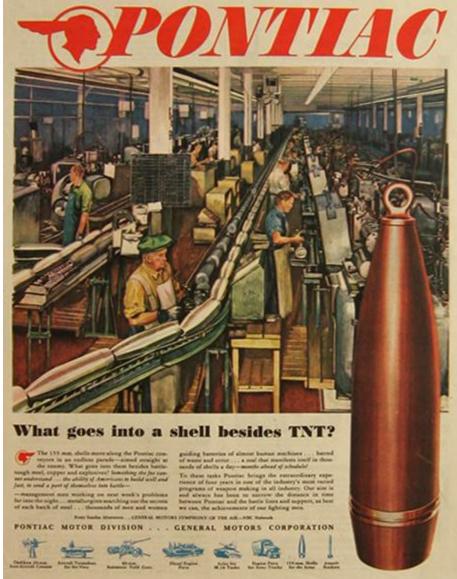


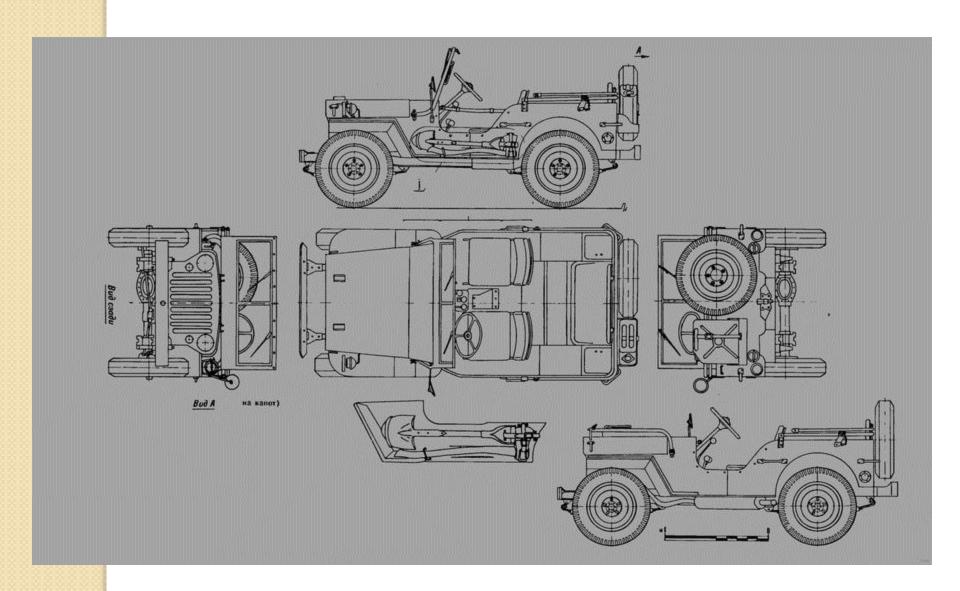






WAR BONDS AND STAMPS











A Tribate to the Fighting Personnel of the Chemical Warfare Service

MEVER SETS ON THE MIGHTY REP

SMOKE SCREEN SAVES AMERICAN SOLDIERS IN TUNISIA

Sergeant Orders Attack in Jeep built by Willys-Overland

"THE Nais had anopped us cold on the hills in Land to The Nais had anopped us cold on the hills in Land to The Nais had anopped us cold on the Nais and the Nais

"Soddenly all hell broke loose as enemy low level bombing planes appeared sequence by muching gun bullets all around him. menthen gun bullets all around him. Death of the second sequence before the second seque

"After what seemed like an hour—I suppose it was only shout 10 minutes—the Sergeant decided aomething was wrong. He started his hattered year and gunned it across the hills for Operations Head-quarters about a mile and a half away.





The lighting heart of every Jeep is the world—and the source of its arranging power, speed, flexibility, depositability and first example—in the Jeep "Go-Devil" Espin, which was theighed and perfected by Willy-Overland, "Builders of the Mighty Jeep."

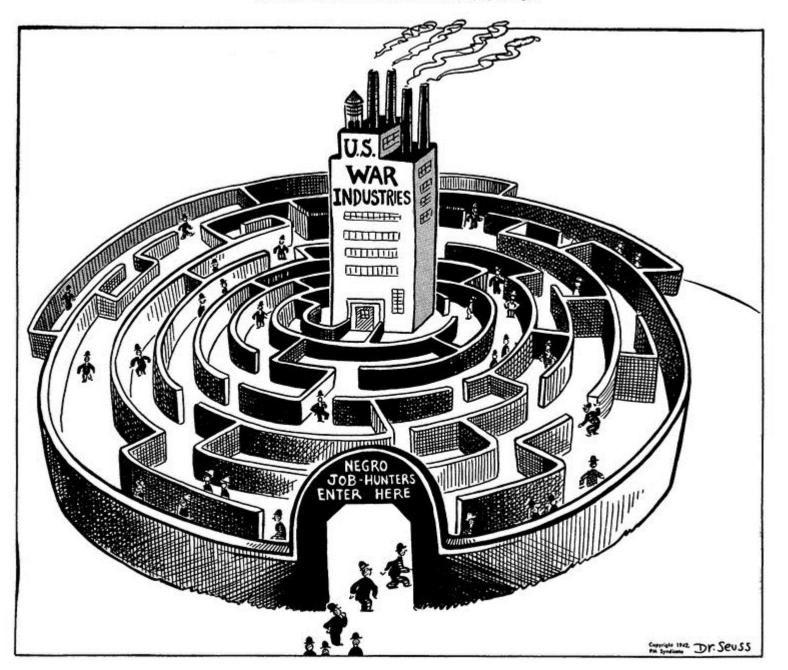
Financing the War

- 45% of World War II paid for with taxes
- Institution of the automatic payroll deduction
- \$150 billion worth of bonds sold
- Tremendous increase in the national debt:
- Finding workers is now the problem, not finding jobs for unemployed people
 - Women
 - African-Americans
 - Minorities

Hey, You Talent Scouts, Give a Look Down!



The Old Run-Around



Social Effects: Women



- 6 million women entered the work force
- "Rosie the Riveter"
- Women's Auxiliary Army Corps (WAAC)
 - Under this program women worked in non-combat roles such as nurses, ambulance drivers, radio operators, and pilots.





Longing won't bring him back sooner ...

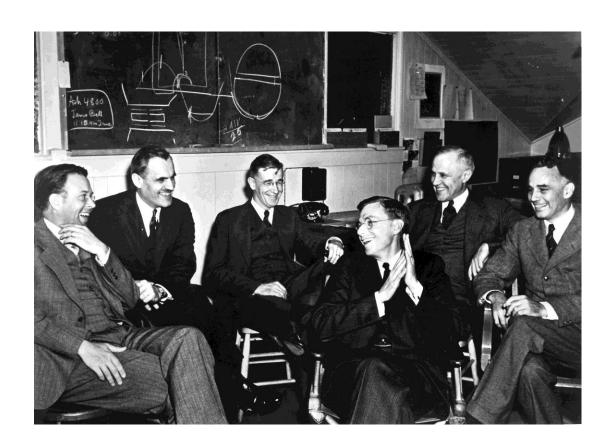
GET A WAR JOB!

SEE YOUR U. S. EMPLOYMENT SERVICE

MTS MUNICIALS COMMISSION

Mobilization of Science

- Office of Scientific Research and Development (OSRD)
 - Focus was on radar and sonar to locate submarines
 - Leads to the Manhattan Project



1941-1947

Office of Scientific Research (OSRD)

19 divisions5 committees2 panels

Division 1 Ballistic Research	Division 2 Impact and	Division 3 Rocket	Division 4 Ordnance	Division 5 New Missiles
	Explosion Effects	Ordnance	Accessories	
Division 6 Sub-surface Warfare (Sonar)	Division 7 Fire Control	Division 8 Explosives	Division 9 Chemistry	Division 10 Absorbents and Aerosols
Division 11 Chemical Engineering	Division 12 Transportation	Division 13 Electrical Communication	Division 14 Radar	Division 15 Radio Coordination Electronic Warfare
Division 16 Optics/Camouflage	Division 17 Physics	Division 18 War Metallurgy	Division 19 Misc	

Applied Math Panel	Applied Psychology Panel	Propagation Committee	Vacuum Tube Committee
Administrative Committee	Tropical Deterioration Committee	Committee on Medical Research	

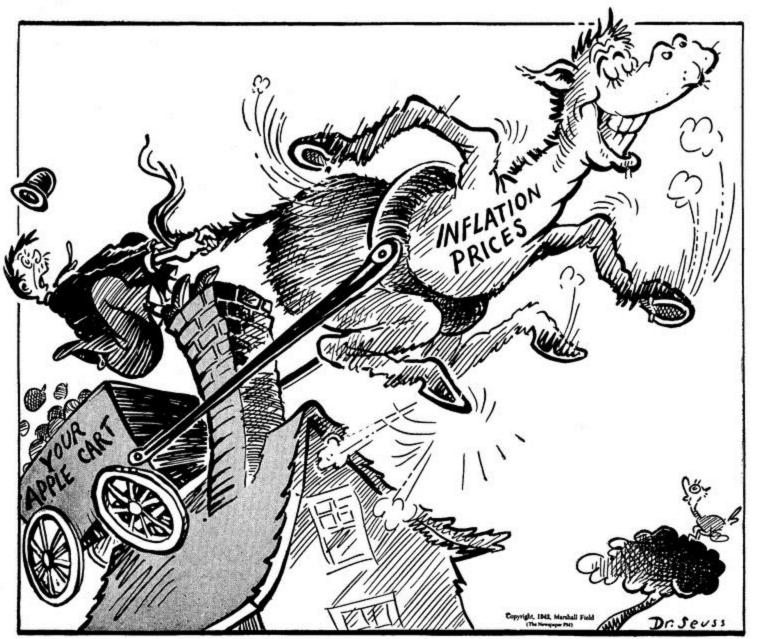
Division 1	Division 2	Division 3
Medicine	Surgery	Aviation Medicine
Division 4	Division 5	Division 6
Physiology	Chemistry	Malaria

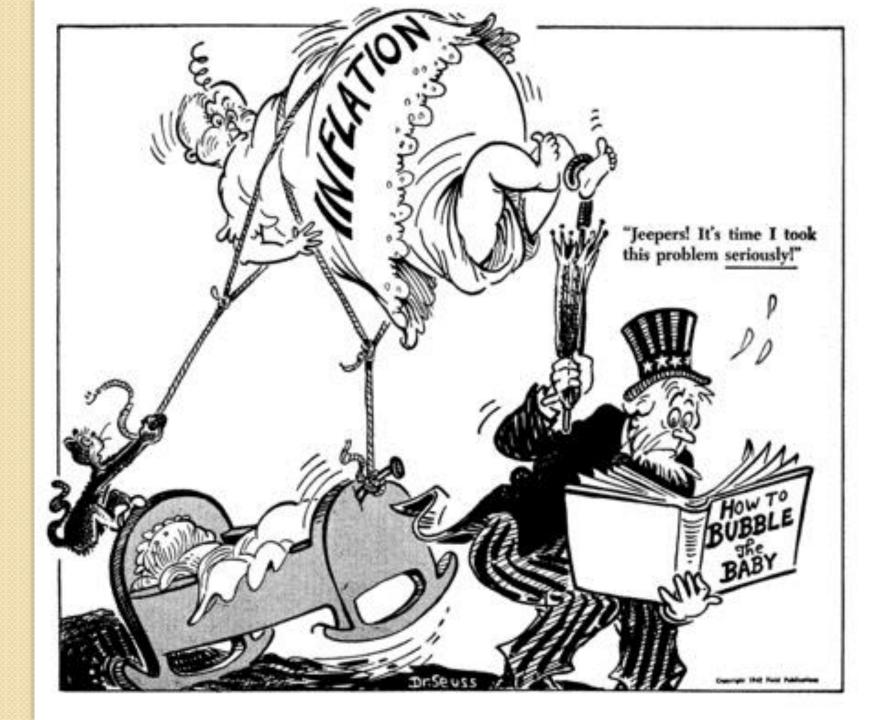
Manhattan Project



- The most important achievement of the OSRD was the secret development of the atomic bomb
- Einstein wrote to FDR warning him that the Germans were attempting to develop such a weapon
- The code used to describe American efforts to build the bomb was the "Manhattan Project"

"Hold her, Newt! Get her down on the road!"





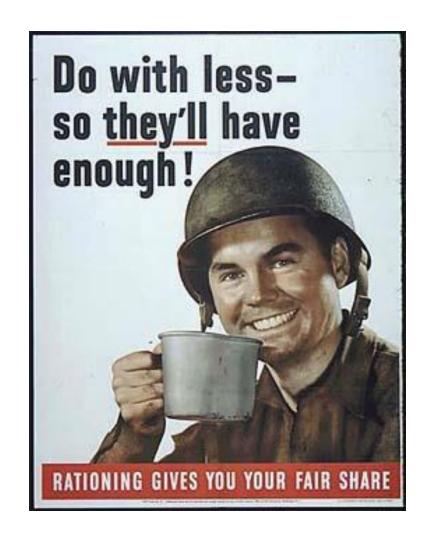
WAR PRODUCTION BOARD



 To ensure the troops had ample resources, FDR created the WPB

COLLECTION DRIVES

- The WPB also organized nationwide drives to collect scrap iron, tin cans, paper, rags and cooking fat for recycling
- Additionally, the OPA set up a system of rationing
- Households had set allocations of scarce goods – gas, meat, shoes, sugar, coffee







Ration stamps from

World War II--from book 4 (left) and book 3 (right.)





Giving the Axis a Lift



Social Effects: Japanese-Americans



- Japanese "War Relocation Camps"
- Racial prejudice stirred up by Pearl Harbor
- Contributions to the war effort by Japanese-Americans



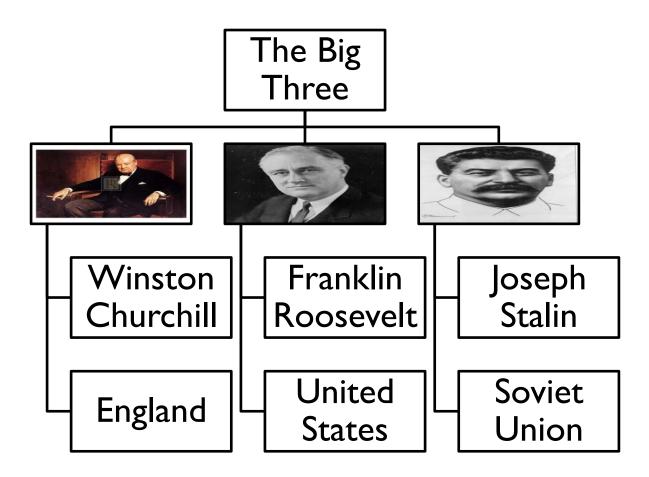
JAPANESE AMERICAN INTERNMENT CAMPS

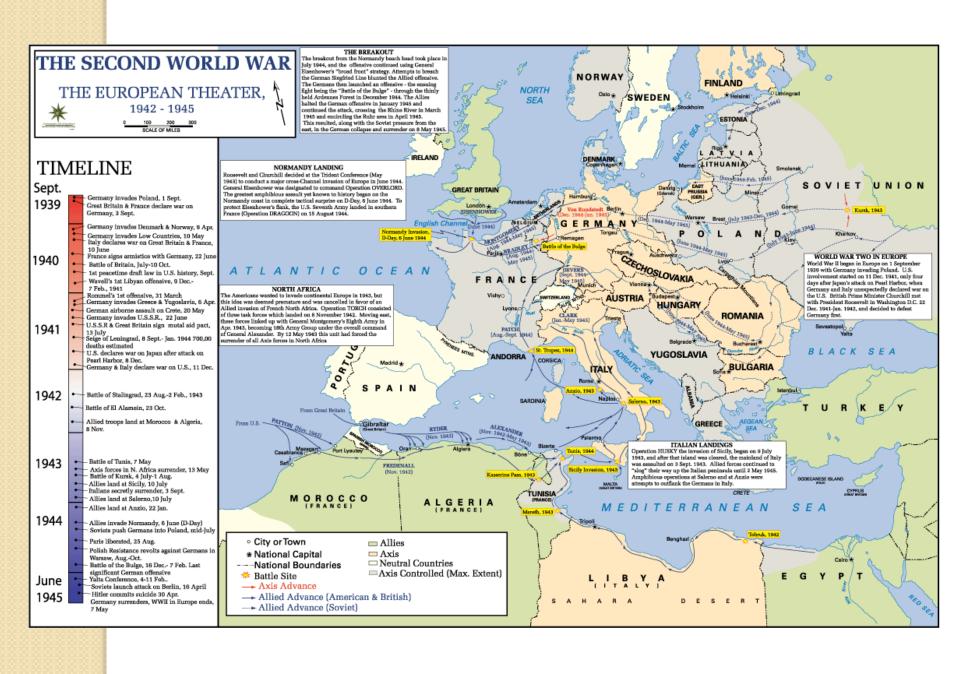
WAR IN EUROPE

I. Background

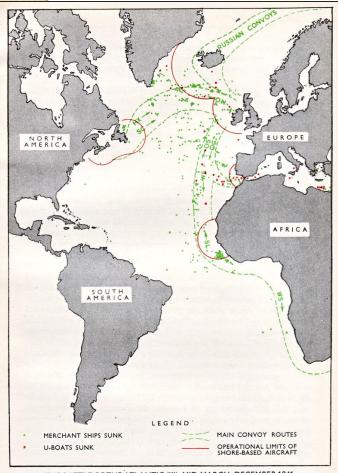
- European war was the focus of American attention
- Effectiveness of German submarines off the east coast in 1942
- Germans advanced into the Soviet Union by 1942.

The Big Three





Battle of the Atlantic-Jan '42



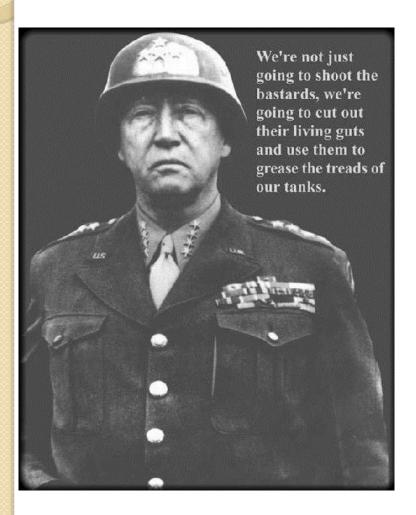
THE BATTLE OF THE ATLANTIC (III), MID-MARCH-DECEMBER 1941

- Note (i) In the latter part of April, sweeps and searches replaced close escort. In May 1941 these extended 350 miles from Iceland and N. Ireland.
 - (ii) Operations from W. African bases began on 24 March 1941.
 - (iii) Hudsons and Catalinas operated from Gibraltar up to 250 miles.
 - (iv) Russian convoys commenced August 1941.

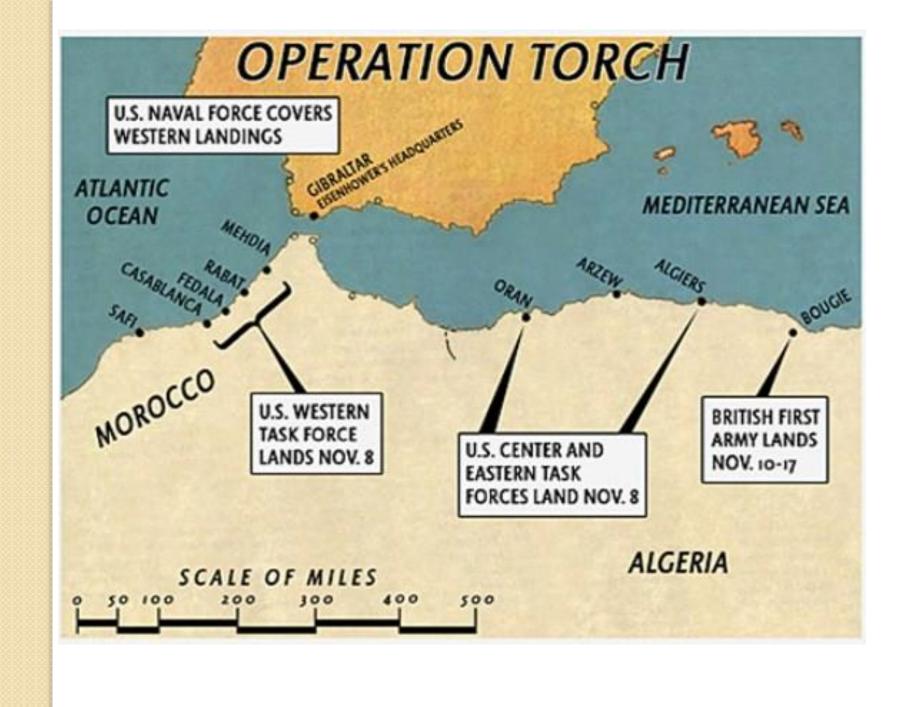




II. Land Operations: November, 1942-June, 1944



- Landing in North Africa
 - "Operation Torch"
- Casablanca Conference (January, 1943)
 - No end to the war without unconditional surrender of all enemies
- Campaign against Germans in Sicily and then Italy
 - The Italian campaign (September, 1943-May, 1945)







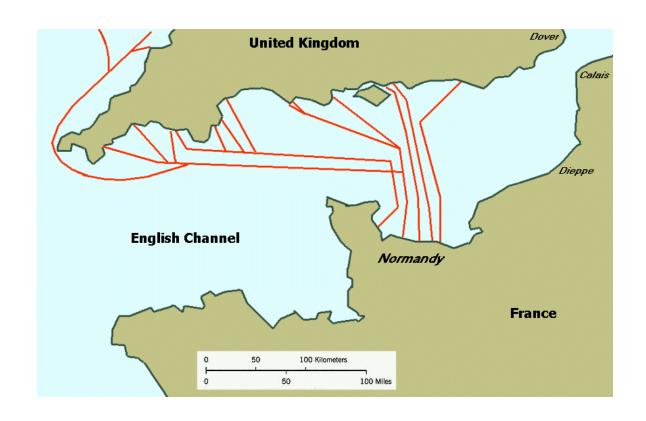






IV. "D-Day": Allied Landing in Northern France (June 6, 1944)

- American Bombing strategy against Germany
- "Operation Overlord"





The D-Day

"D-Day" is a day when a certain military operation starts. The most famous of the D-Days is 6th June 1944, when Allies invaded Normandy

PHASE 1:

Airborne drop Midnight - 2 A.M.

Over 13,000 paratroopers were dropped behind enemy lines, and managed to accomplish many objetives.

PHASE 2: Art of deceit 1 A.M. - 4 A.M.

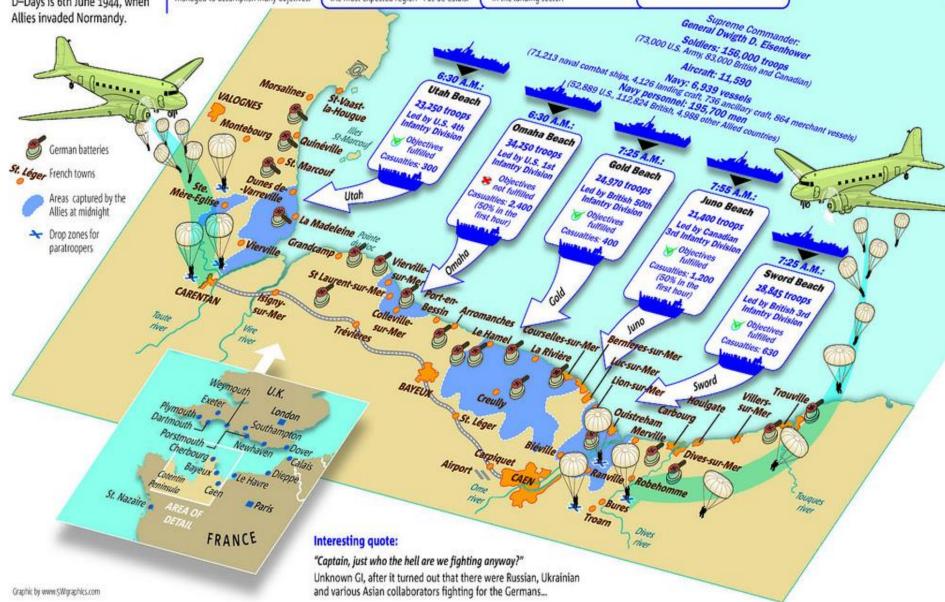
To distract the enemy, the Allies faked that another invasion was taking place in the most expected region - Pas de Calais.

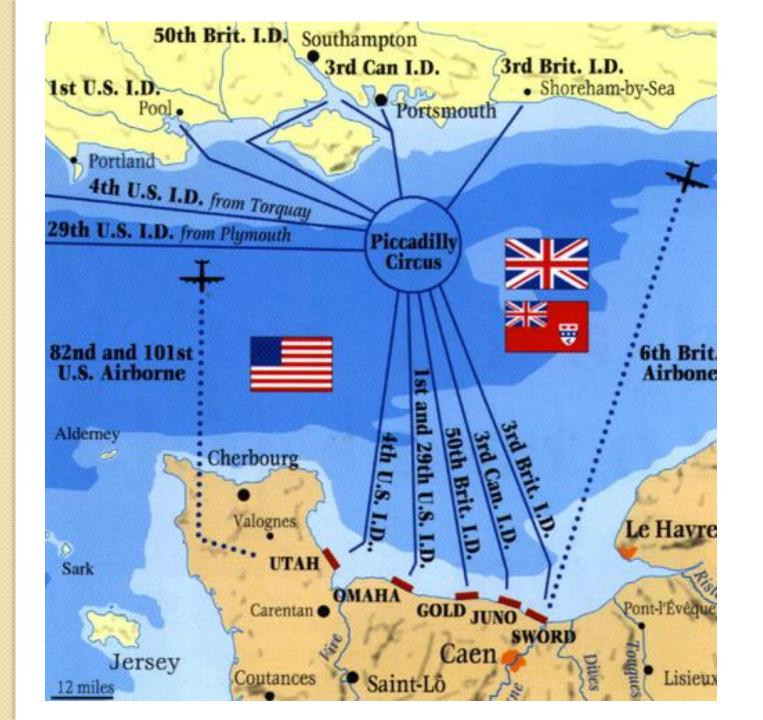
PHASE 3: Aerial attack 3 A.M.

300 planes dropped 13,000 bombs on German defenses in the landing sector.

PHASE 4: Naval attack 5 A.M.

Naval bombardment preceded he invasion. PHASE 5: The invasion







Breaking through the "Atlantic Wall"

To guard against an Allied invasion of Europe, Adolf Hitler ordered the laying of millions of mines and miles of barbed wire and poured tons of concrete to create a defensive barrier along the western coast of Europe. The plan was a sham because the Germans didn't know exactly where an invasion would occur. Yet it cost many Allied soldiers their lives to secure the beaches of Normandy.

High tide

Low tide

Belgian gates:

10-foot-high steelframed structures were set parallel to the beach. Antitank mines were attached to the top.

Teller mines:

On posts angled seaward. Covered at high tide and placed 200 yards from shore.

Ramps:

Mine-tipped logs were driven into the sand.

Mine-tipped 6-foothigh obstacles constructed of steel rails welded together to rip the bottom out of landing craft at high tide.

Hedgehogs:

Seawall

Pillboxes: These small concrete bunkers shielded machine gun nests and antitank guns.

Concrete bunkers:

Cliffs hudreds of feet tall

> Steel-reinforced concrete protected 75and 88-mm guns.

Walls of barbed wire and minefields:

Criss-crossed the beaches and paths leading off the beaches.

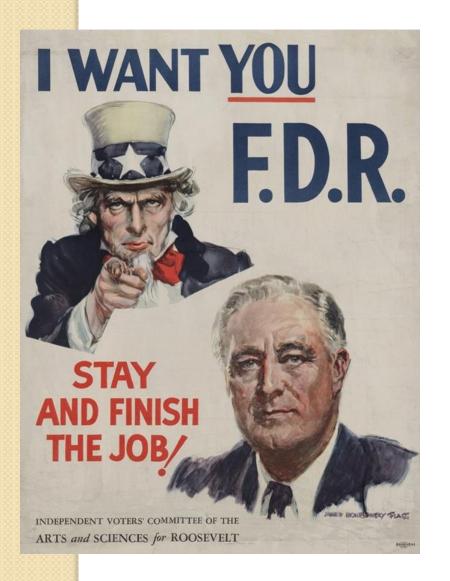


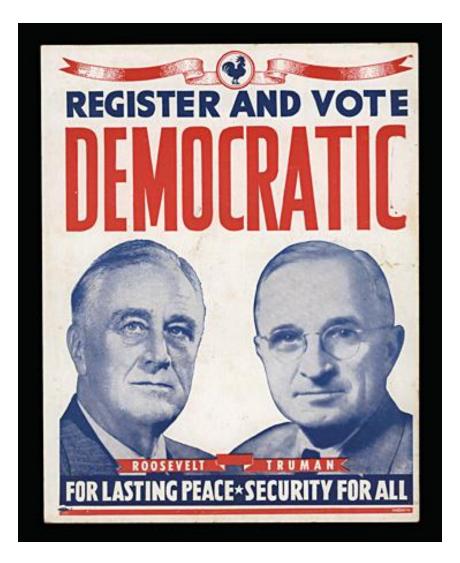


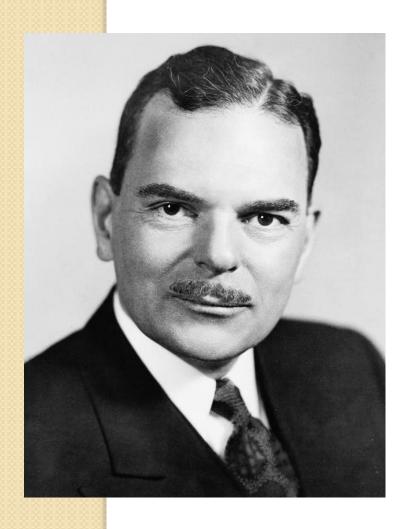


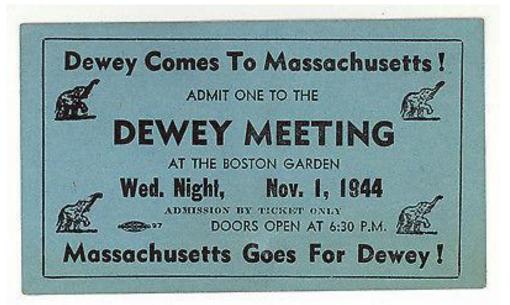






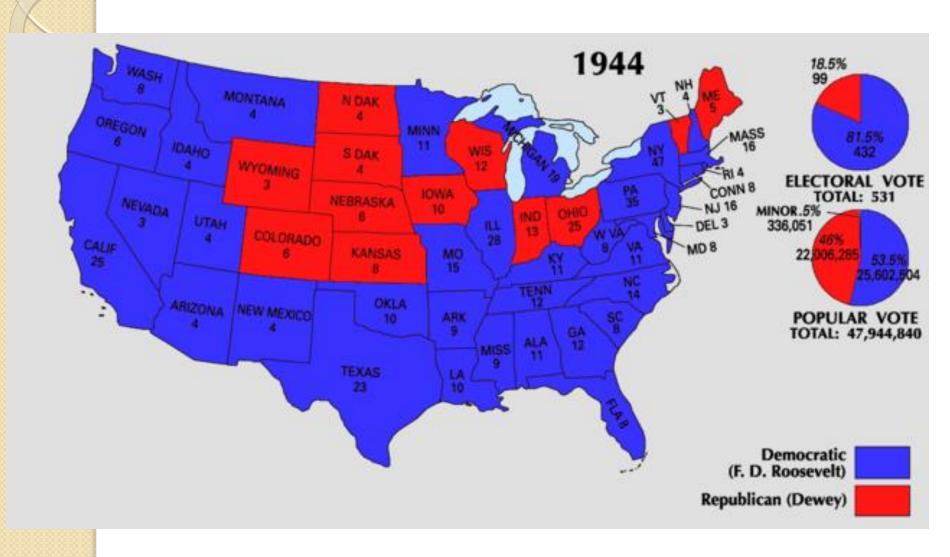






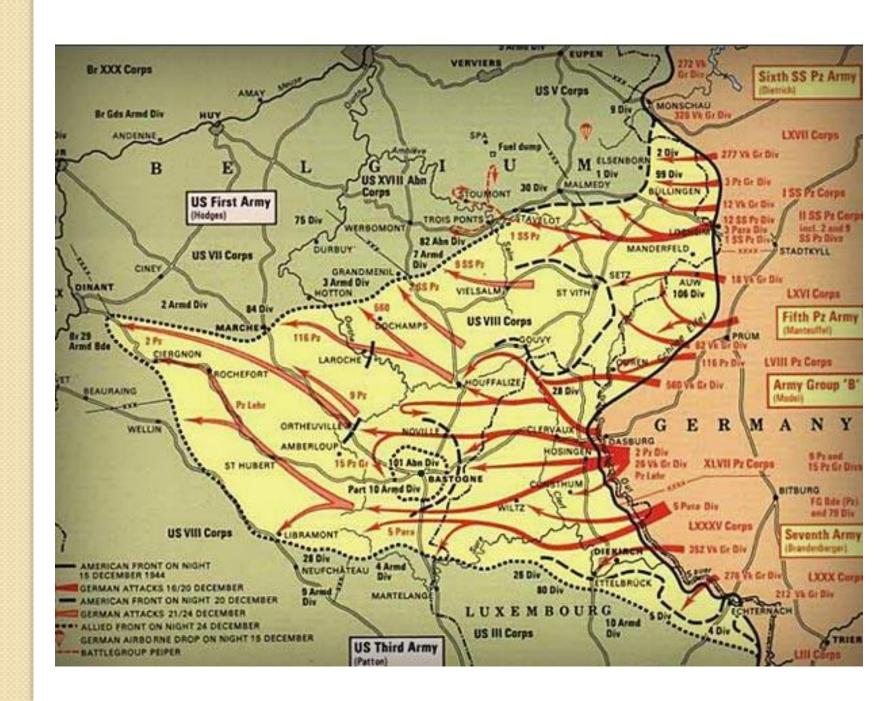


1944 Election



Battle of the Bulge (Dec '44-Feb '45)





April, 12 1945

"All the News That's Fit to Print"

The New York Times.

LATE CITY EDITION

VOL. XCIV... No. 31.856.

PRESIDENT ROOSEVELT IS DEAD; TRUMAN TO CONTINUE POLICIES; 9TH CROSSES ELBE, NEARS BERLIN

I. S. AND RED ARMIES DRIVE TO MEET

Americans Across the Elbe in Strength Race Toward Russians Who Have Opened Offensive From Oder

VEIMAR TAKEN, RUHR POCKET SLASHED

hird Army Reported 19 Miles From Czechoslovak Border-British Drive Deeper in the North, Seizing Celle—Canadians Freeing Holland

PARIS, April 12—Thousand of tanks and a half million rughboys of the United States First. Third and Ninth Armies reacing tarough the beart of the Reich on a front of 150 miles, treating Berlin, Leipzig and the last citades of the Nazi power. The Second Armored Division of the Ninth Army has crossed Elbs River in force and is striking eastward toward Berlin, ose outskirts lie less than sixty miles to the east, according to ords from the front. [A report quoted by The United Press oed the Americans less than fifty miles from the capital.] d Berlin the First White Russian Army has ev

vy battles were rag-t of the Oder before indicating that Mar-groyr K. Zahukoff had his drive toward the **DOWN 118 PLANES**

Japanese Fliers Start 'Suicide' Attacks on Fleet, Sink a Destroyer, Hit Other Ships



Franklin Delano Roosevelt

1882-1945

END COMES SUDDENLY AT WARM SPRINGS

Even His Family Unaware of Condition as Cerebral Stroke Brings Death to Nation's Leader at 63

ALL CABINET MEMBERS TO KEEP POSTS

Funeral to Be at White House Tomorrow. With Burial at Hyde Park Home-Impact of News Tremendous

By ARTHUR EROCK

Special to The New York Trees.

WASHINGTON, April 12—Franklin Delano Roosevelt. Wa sident of the United States and the only Chief Executive in history who was chosen for more than two terms, died suddenly and unexpectedly at 4:35 P. M. today at Warm Springs, Ga.,

from unconsciousness to death on the eighty-third day of his fourth term and in an hour of high triumph. The armies and

dembers of Cabinet on Hand Harlan F. Stone, in a on as Chief Justice Stone Mr. Truman









Siege of Berlin, Spring '45







V-E Day May 8, 1945

"All the News That's Fit to Print"

The New York Times."

VOL. NCIV.. No. 31,881.

NEW YORK, TUESDAY, MAY 8, 1945.

THREE CENTS

THE WAR IN EUROPE IS ENDED! SURRENDER IS UNCONDITIONAL; V-E WILL BE PROCLAIMED TODAY; OUR TROOPS ON OKINAWA GAIN

Marines Reach Village a Mile From Naha and Army Lines Advance

Search Planes Again Hit Jaban's Life Line-Kyushu Bombed

For 1944 Announced

The Pulitzer Prize awards announced yesterday by the trustees of Columbia University included: For a distinguished novel, to "A Bell for Adano," by John Hersey; for an original American play of the current season, to "Harvey," by Mary Chase.

7 MORE SHIPS SUNK were those to Hal Boyle, Associated Press war reporter, for distinguished correspondence; to Among the newspaper awards James B. Reston of THE NEW YORK TIMES for his reporting of the Dumbarton Oaks Security Conference: to Joe Rosenthal Associated Press photographer, for his photograph of marines raising the American flag at Iwo and to The Detroit Free Press ous public service" in its investi



American, Russian and French Generals Accept Surrender in Eisenhower Headquarters, a Reims School

REICH CHIEF OF STAFF ASKS FOR MERCY

Doenitz Orders All Military Forces of Germany To Drop Arms-Troops in Norway Give Up -Churchill and Truman on Radio Today

LIBERATION OF DEATH CAMPS

- While the British and Americans moved westward into Germany, the Soviets moved eastward into Germancontrolled Poland
- The Soviets discovered many death camps that the Germans had set up within Poland
- The Americans also liberated Nazi death camps within Germany





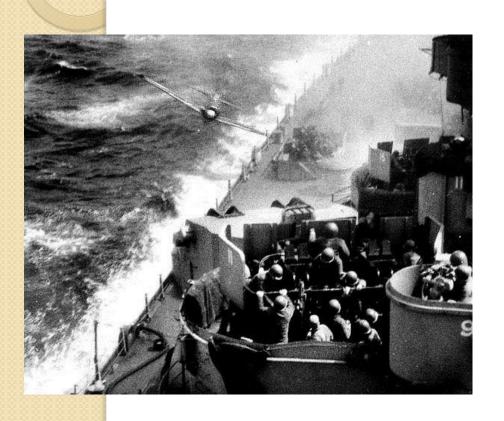
WAR IN THE PACIFIC

The Pacific Theater



- The surrender of the Philippine Islands
- Doolittle Raid (April, 1942)
 - Revenge for Pearl Harbor
- Battle of Coral Sea (May, 1942)
 - Aircraft Carriers
- Battle of Midway Island (June, 1942)
- Battle of Guadalcanal (Fall, 1942)

The Pacific Theater (cont.)



- Gen. Douglas Macarthur
 - Head General of the Pacific
- Efforts to recapture the Philippines
 - Battle of Leyte Gulf (October, 1944)
 - Largest Naval battle of the war
- "Island hopping"
 - Battle of the Philippine Sea (June, 1944)



Suicide pilots from the sky

One of the most feared enemy weapons in the Pacific was the Japanese kamikaze - a suicidal attack by an airplane pilot. Allied ships feared being sunk by pilots who believed they were a "divine wind." Kamikazes sacrificed their lives in order to try and sink an Allied vessel.

Kamikaze missions

Allies killed or wounded

15,000

Kamikares killed

Numbers are estreates

Shipe sunk (34 nank; 368 chrusped)

The flight of a kamikaze

The karrikage aircraft era began during the Philippines Compaign with the creation of the Special Attack Corps on Oct. 19, 1944, which consisted of Mitsubishi modified. Zeros carrying 250-kg bombs. The attacks often made use of creative tactics such as decays to sneak their suicide bombers through allied defenses.

The formation of an attack

Kartikazes fiew together del cichio siti. possible lowerd the tarpet

An excort fighter often lad the nammers to the target, protecting them from Sorter ethicks

High-altitude Akemikaza few at high elitiodes, hiding in the clouds to evoid

in a low-altitude approach, planes skimmed the ocean surface, below the range of radar detection.

Dive toward target at 45'-55' angle

Carriers were the preferred target

Although kamikages attacked all enemy vessels, aircraft comiers were primary targets, usually struck by two to four planes to create lasting damage.

> The number of Allied bomber airbraft www reduced. to make room for more fighter patrols and excorts

The ascort fighter(s) acted as decay and strafed altied targets, creeting hevoc and confusion for onew and gunners.

Komkures split up and stacked from apposite directions.

U.S. fighters. The approach left them vulnerable to detection by

allied radar, warning targets of an attack.

Lifts for aircraft. and dock

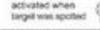
 Ships fired anti-pircraft orbitory around themselves in are attempt to preate at "rain storm of metal"

Alfred carriers adapted metal flight decks from British alecraft carriers.

which withstood kemilosze affacks much better their wooden U.S. docks

Volunteering to die

When the kamikaze attack units were first formed, the pilots were usually voluntoers. Their selection could sometimes take several weeks. Many times, the only son of a family and married men were rejected. Some pilots ware as young as 14 years old.



Sombis wore



Pacific Theater (cont.)

- Iwo Jima and Okinawa (1945)
 - Deadliest engagement of the pacific
 - 36,000 casualties at Iwo Jima

















Potsdam Conference, Summer '45



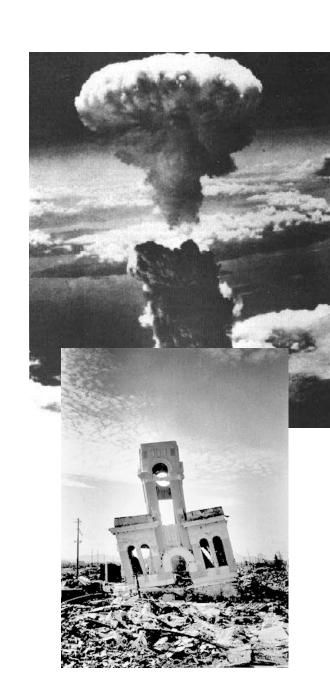
Potsdam Declaration

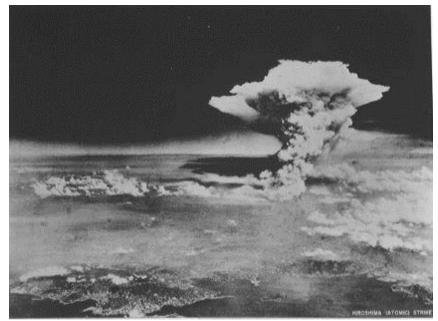


Atomic Bomb



- Development and production of the A-bomb
 - Manhattan Project
 - Alternative to a land invasion could lead to 1 Million US casualties





August 6, 1945 HIROSHIMA



The New York Times.

FIRST ATOMIC BOMB DROPPED ON JAPAN; MISSILE IS EQUAL TO 20,000 TONS OF TNT; TRUMAN WARNS FOE OF A 'RAIN OF RUIN'

U. S. Brity Iris League-

REPUBLICAN DEAN Major Bong, Top U. S. Ace

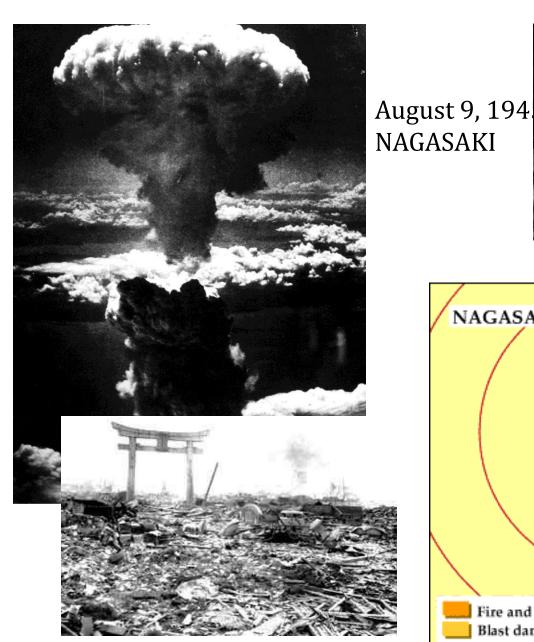
MANAGEM (Mark Aug as Thomas The plans obtained to waters and MOCKET SITE IS SEEN MOCKEYELT AND CITED the plant of the plant obtained to water and the plant of th

HIRAN W.JOHNSON, Jet Plane Explosion Kills KYISHU CITY RAZZORZPORTBY BRITAIN Steel Tower 'Vaporized' In Trial of Mighty Bomb

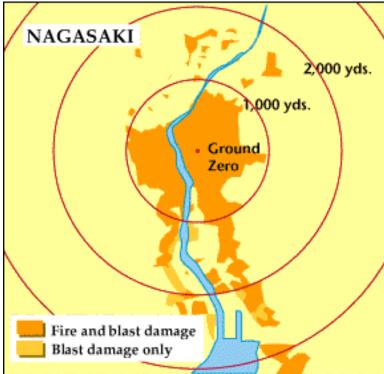
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III. Japan Surrenders



Photo # 80-G-332701 Gen. Umezu signs instrument of surrender, 2 Sept. 1945

- Sept 2, 1945
 - Victory in Japan Day







POST WWII

I. Yalta Conference

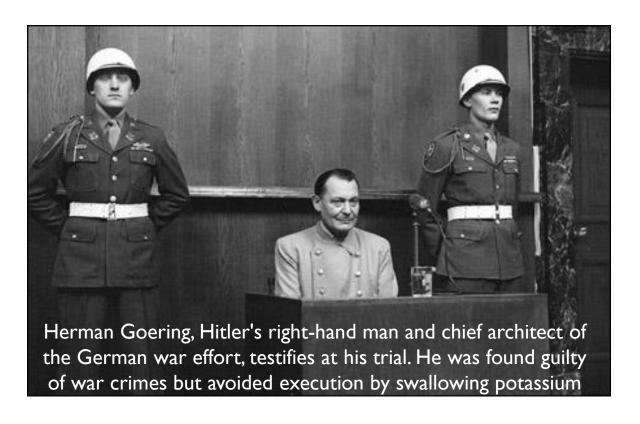
- February 1945
 - as the Allies pushed toward victory in Europe, an ailing FDR met with Churchill and Stalin at the Black Sea resort of Yalta in the USSR
- A series of compromises were worked out concerning postwar Europe



II. Yalta Agreements

- I) They agreed to divide Germany into 4 occupied zones after the war
- 2) Stalin agreed to free elections in Eastern Europe
- 3) Stalin agreed to help the U.S. in the war against Japan and to join the United Nations

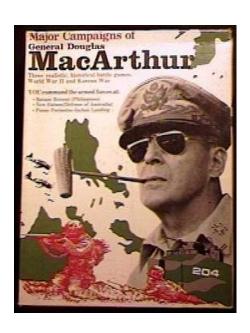
III. Nuremberg Trials



- The discovery of Hitler's death camps led the Allies to put 24 surviving Nazi leaders on trial for crimes against humanity, crimes against the peace, and war crimes
- The trials were held in Nuremberg, Germany

IV. Occupation of Japan





- Japan was occupied by U.S. forces under the command of General MacArthur
- During the seven- year occupation, MacArthur reshaped Japan's economy by introducing free-market practices that led to a remarkable economic recovery
- Additionally, he introduced a liberal constitution that to this day is called the MacArthur Constitution