

ALL NEW!
NUMBER 3

TRUE COMICS

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TRUTH is stranger and a thousand times more thrilling than FICTION



UNSUNG
HERO

BASEBALL
HALL OF
FAME

CHINESE
HERO NO. 1
CHIANG KAI-SHEK

DEATH FIGHTER

LAND
WAR

We Become A Monthly

By **GEORGE J. HECHT**, President and Publisher



Our Junior Advisory Editors, Virginia Weidler and Mickey Rooney, outstanding movie stars with Metro-Goldwyn-Mayer, Culver City, California, looking over advance proofs of the magazine.



Our Senior Advisory Editor, Dr. George H. Gallup, the famous director of the Institute of Public Opinion.



A new Senior Advisory Editor, Dr. George Johnson, Director of the Department of Education of the National Catholic Welfare Conference.

WHEN this magazine was launched, we announced that it would be published bi-monthly. Perhaps we should not have used that word "bi-monthly." It is probably the most misunderstood word in the English language! More people seem to think that it means "twice a month" than there are those who know that it really means "every second month."

It does not matter now, however, because we are happy to tell you that this magazine has had such a wonderful welcome throughout the United States and Canada that beginning with this issue it will be published not every second month, but once a month. The next issue, No. 4, will be out the middle of July. Thereafter you may look for the new issues about the middle of each month.

Instead of writing a long editorial this month I am glad to devote half of my allotted space to photographs of four of our Junior and Senior Advisory Editors whom I am happy in this way to introduce to you.



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CHINESE HERO NO. 1

CHIANG KAI-SHEK

THE CHINESE GENERALISSIMO WHO HAS BUILT A UNITED NATION OUT OF CHINA. HE IS KNOWN AS THE BUILDER OF NEW CHINA, THE GREATEST SOLDIER-STATESMAN OF ASIA. HE IS NOW FIGHTING TO FREE HIS COUNTRY FROM JAPANESE INVADERS.



THE DRAGON, SYMBOLIZING OLD CHINA, FADES, AS NEW CHINA, PERSONIFIED BY THE GENERALISSIMO, EMERGES STRONG AND ALERT.

THE HOUSE OF CHIANG IS HONORED.

CHIANG HAS BEEN BLESSED WITH A SECOND SON.

I WANT TO BE KNOWN AS KAI-SHEK, "THE BOUNDARY STONE."



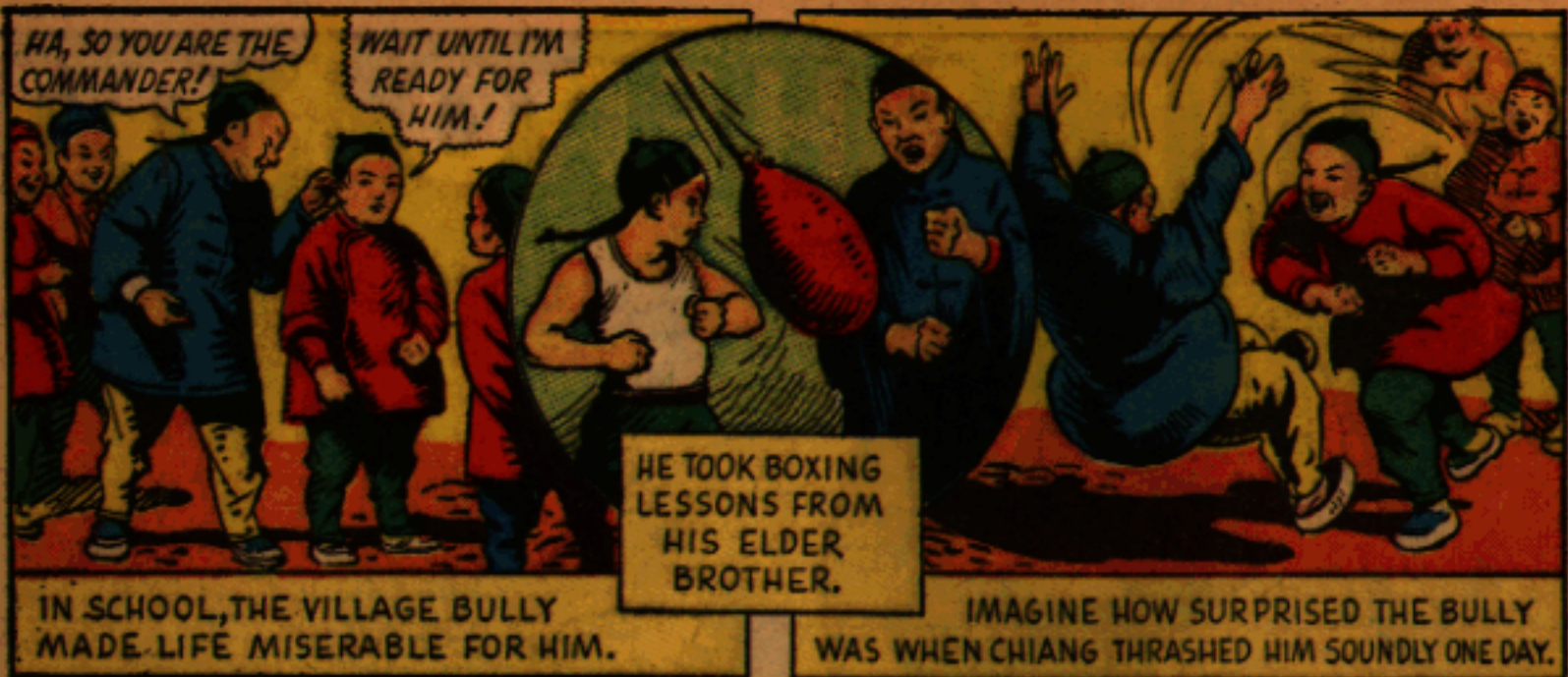
IN 1888 WINE MERCHANT CHIANG ANNOUNCED THE BIRTH OF A SON BY SENDING OUT EGGS DYED RED. (A CHINESE CUSTOM)

ACCORDING TO CHINESE CUSTOM THE BOY CHOSE A NAME FOR HIMSELF.

THE FORT MUST BE TAKEN. CHARGE!



EVEN AS A CHILD CHIANG WAS INTERESTED IN WAR GAMES. HE WAS ALWAYS THE "COMMANDER."



IN SCHOOL, THE VILLAGE BULLY MADE LIFE MISERABLE FOR HIM.

IMAGINE HOW SURPRISED THE BULLY WAS WHEN CHIANG THRASHED HIM SOUNDLY ONE DAY.



WHEN CHIANG WAS 9 YEARS OF AGE HIS FATHER DIED. THIS WAS A GREAT BLOW BECAUSE HE HAD TO GIVE UP GOING TO SCHOOL.



HE WENT TO WORK IN THE SHOP. BUT HIS RELATIVES WERE WILLING TO HELP.



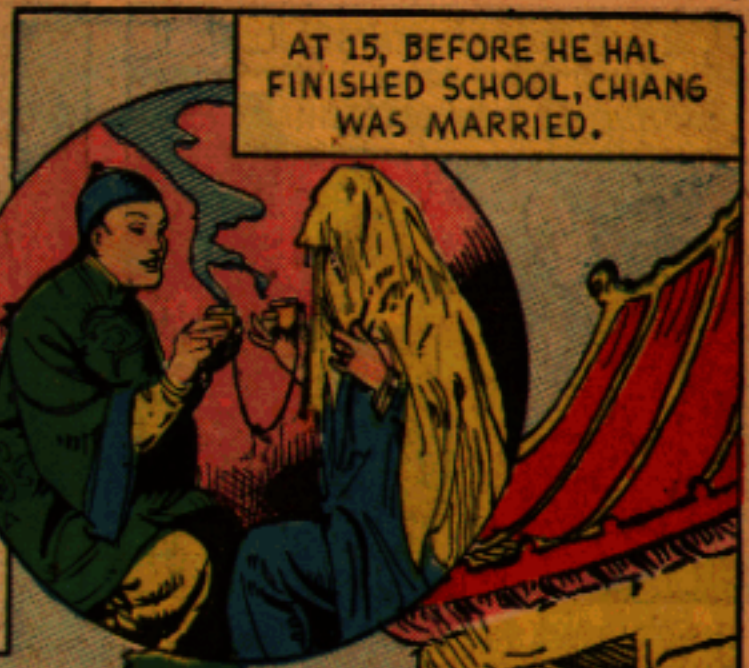
CHIANG FINISHED HIS STUDIES AT THE VILLAGE SCHOOL AND DECIDED TO GO TO A HIGH SCHOOL WHICH TAUGHT WESTERN SCIENCE AND MATHEMATICS.



HIS RELATIVES WERE DISAPPOINTED.



HIS MOTHER BACKED HIM UP. SHE RAN THE SHOP ALONE AND MANAGED TO EARN EXTRA MONEY BY HER NEEDLEWORK.



AT 15, BEFORE HE HAD FINISHED SCHOOL, CHIANG WAS MARRIED.



ACCORDING TO CHINESE CUSTOM THE FAMILIES ARRANGED THE WEDDING AND CHIANG DID NOT SEE HIS BRIDE UNTIL THE TIME OF THE CEREMONY.



I HAVE DECIDED TO BECOME A SOLDIER.

WHAT! YOU'RE ONLY 17.



I LIKE YOUR DETERMINATION. GO TO IT!

BUT HIS MOTHER AND GRANDFATHER HAD FAITH IN HIM AND BACKED HIM UP.



BUT THE NEAREST GOOD MILITARY SCHOOL WAS IN JAPAN. CHIANG WORKED HIS PASSAGE TO YOKAHAMA, JAPAN, AND WALKED TO TOKIO.

ALL CHINESE STUDENTS MUST COME FROM PAOTING MILITARY ACADEMY.



HIS TRIP WAS ALL FOR NOTHING! ONLY STUDENTS CHOSEN BY THE CHINESE GOVERNMENT WERE ADMITTED TO THE MILITARY COLLEGE.



TO ENTER PAOTING, HE BECAME A COMMON SOLDIER. HE CAME OUT FIRST IN THE EXAMINATIONS. HE WAS A BRILLIANT STUDENT AT PAOTING.

HE WAS SENT TO JAPAN FOR ADVANCED MILITARY TRAINING. IN TOKIO HE STUDIED THE JAPANESE LANGUAGE.



LATER HE WAS ASSIGNED TO AN ARTILLERY REGIMENT. HE DID ALL THE WORK OF A COMMON SOLDIER.



2½ YEARS LATER HE BECAME A CADET AT THE MILITARY STAFF COLLEGE AND UPON GRADUATION RECEIVED A COMMISSION IN THE JAPANESE ARMY.



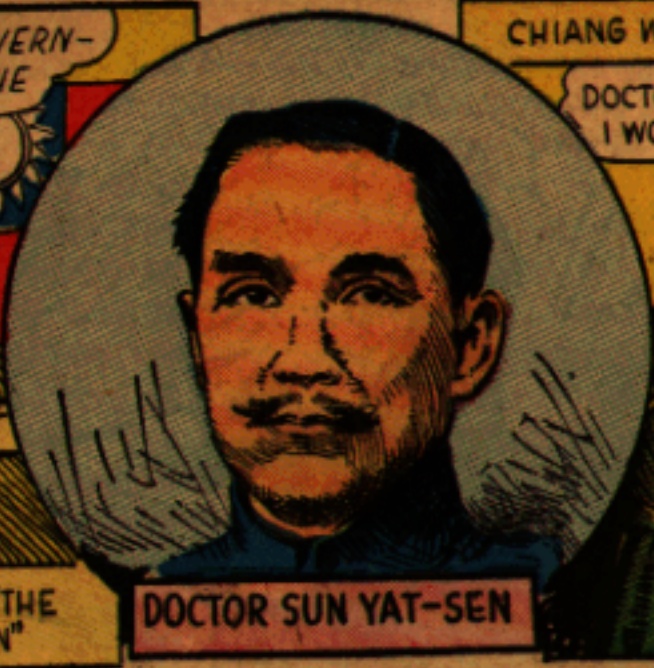
WE MUST BRING CHINA UP TO DATE THROUGH EDUCATION. THE ONLY WAY TO DO THIS IS TO OVERTHROW THE EMPEROR AND ESTABLISH A CHINESE REPUBLIC. AND DON'T FORGET WESTERN MEDICINE AND MODERN INDUSTRY.



CHIANG BECAME A MEMBER OF A GROUP THAT WAS TRYING TO BRING EUROPEAN CUSTOMS INTO ANCIENT CHINA.

I WANT TO GIVE CHINA A GOVERNMENT JUST LIKE THAT OF THE UNITED STATES.

HE HEARD DR. SUN YAT-SEN, "THE FATHER OF CHINESE REVOLUTION"



CHIANG WAS INTRODUCED TO DR. SUN.

DOCTOR, I BELIEVE JUST AS YOU DO. I WOULD LIKE TO WORK WITH YOU.

WHILE STILL IN JAPAN, IN 1911, CHIANG RECEIVED A SECRET MESSAGE.

DR. SUN IS READY TO PROCLAIM A REPUBLIC IN CHINA.

TO AVOID SUSPICION HE ASKED FOR 48 HOURS LEAVE OF ABSENCE, BOUGHT A CHEAP SUIT, AND RETURNED TO CHINA. HE SENT HIS UNIFORM BACK BY PARCEL POST.

I HOPE THEY DON'T RECOGNIZE ME.

THE CHINESE EMPEROR'S MEN WERE ON THE LOOK-OUT FOR REVOLUTIONARIES AND AFTER REACHING SHANGHAI, CHIANG WAS HIDDEN BY FRIENDS.

CHIANG WAS MADE CHIEF-OF-STAFF OF THE SHANGHAI REVOLUTIONARY ARMY AND SENT TO CAPTURE THE CITY OF HANGCHOW.

IF WE SUCCEED, NORTHERN CHINA WILL BE FREE.

CHIANG LED A "DARE-TO-DIE" CORPS OF 100 MEN AGAINST THE ROYAL FORCES. ARMED WITH BOMBS, THEY DEFEATED THE EMPEROR'S MEN.



HE WENT ON TO CONQUER THE WHOLE PROVINCE. JUST BEFORE HIS TWENTY-THIRD BIRTHDAY HE RODE INTO HIS HOME TOWN AT THE HEAD OF 4,000 MEN.

THE CHINESE EMPEROR WAS FORCED TO GIVE UP HIS THRONE AND A NEW PROVISIONAL REVOLUTIONARY GOVERNMENT WAS SET UP IN NORTH CHINA.





CHIANG WAS NOW GIVEN AN IMPORTANT POST.

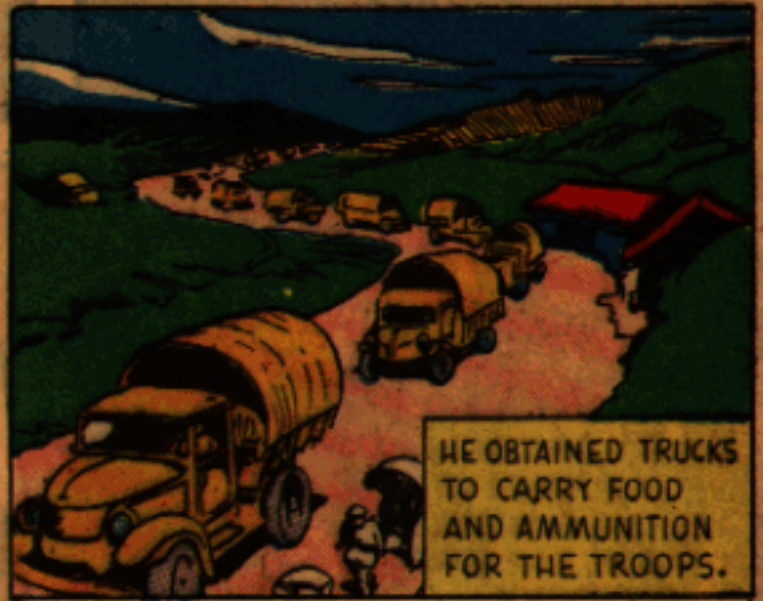
CHIANG, IT WILL BE YOUR JOB TO TRAIN OUR SHANGHAI TROOPS.

THEY ARE POORLY FED AND WE NEED AMMUNITION.



YOU MERCHANTS CAN DO YOUR PART IN BUILDING UP OUR ARMY.

HE ORGANIZED A SOCIETY TO COLLECT MONEY.



HE OBTAINED TRUCKS TO CARRY FOOD AND AMMUNITION FOR THE TROOPS.



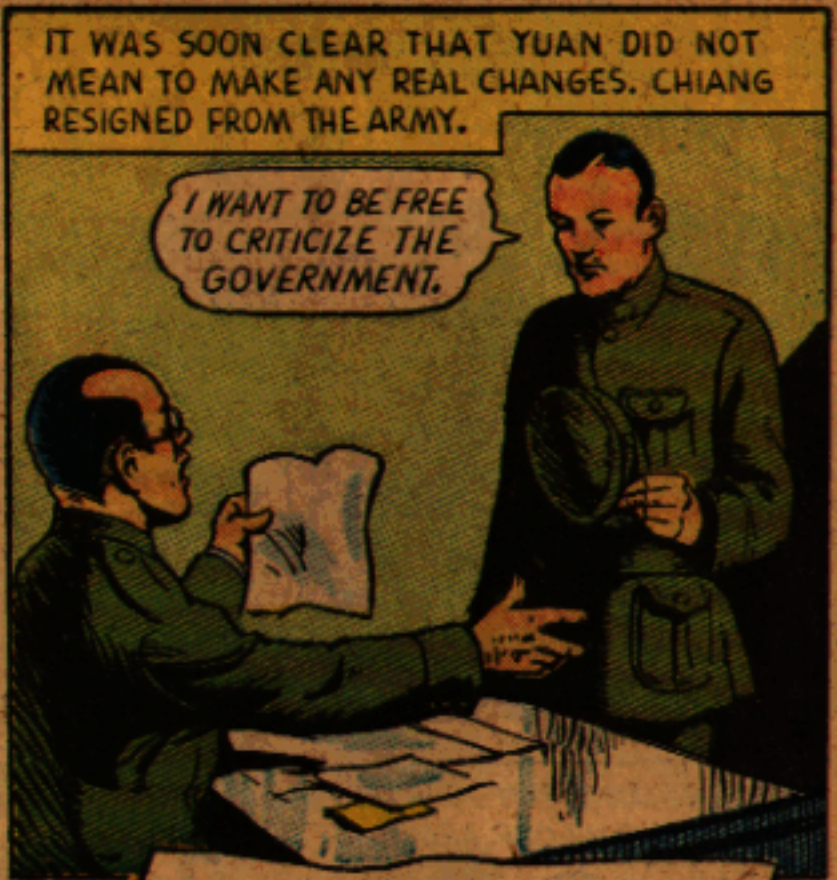
WITH PEACE RESTORED, DR. SUN DREW UP A CONSTITUTION FOR A REPUBLIC AND YUAN SHIH-KAI, THE NORTHERN LEADER, BECAME PRESIDENT.



THE REVOLUTIONARY ARMY WAS BROKEN UP. THE BEST SOLDIERS WERE ADDED TO THE NATIONAL ARMY. CHIANG WAS REDUCED IN RANK TO A CAPTAIN.



THE HONORABLE YUAN SHIH-KAI



"ONLY A STRONG CHINA COULD HOPE FOR FRIENDLY RELATIONS WITH RUSSIA AND JAPAN. TO THIS END----CHINA SHOULD BE DIVIDED INTO MILITARY DISTRICTS LIKE---- THE U.S. THERE SHOULD BE A STRONG NATIONAL ARMY."

FOR A TIME HE PUBLISHED A MILITARY SCIENCE MAGAZINE. ONE ARTICLE SHOWED HOW WELL HE KNEW CHINA'S PROBLEMS.



IN 1913, PRESIDENT YUAN TRIED TO MAKE HIMSELF EMPEROR. DR. SUN, CHIANG, AND HIS FOLLOWERS REVOLTED. THEY TRIED TO SEIZE THE SHANGHAI ARSENAL. THEY FAILED AND FLED TO JAPAN.

(CONTINUED IN THE NEXT ISSUE OUT ABOUT JULY 1941)

A FORGOTTEN WOMAN IN HISTORY



DEBORAH SAMPSON
1760 - 1827

THIS IS THE STORY OF DEBORAH SAMPSON WHO, DRESSING HERSELF IN MEN'S CLOTHES FOUGHT IN THE REVOLUTIONARY WAR FOR TWO YEARS (1782-1783) WITHOUT BEING FOUND OUT.

THE REVOLUTIONARY WAR WAS ON: HISTORY WAS BEING MADE ALL AROUND DEBORAH SAMPSON -- BATTLES AND RAIDS, ADVANCES AND RETREATS -- THE EXCITEMENT WAS TOO MUCH FOR HER.



WHY MUST I BE STUCK HERE? I CAN DO MY PART!

SHE DECIDES ON A DARING ADVENTURE

THIS IS A GOOD TEST! NOW TO SEE IF ANYONE IN THERE RECOGNIZES ME IN THESE CLOTHES!



JOINING THE MEN IN THEIR DRINKING, NO ONE RECOGNIZES HER.



DISCOVERING HER ESCAPADE, HER FAMILY IS SHOCKED! THE ELDERS OF THE CHURCH TRY TO REASON WITH HER. SHE REFUSES TO FEEL SORRY.

WHAT HAVE I DONE THAT IS SO TERRIBLE? DRESS IN MEN'S CLOTHING? DRINK ALE WITH THE MEN?

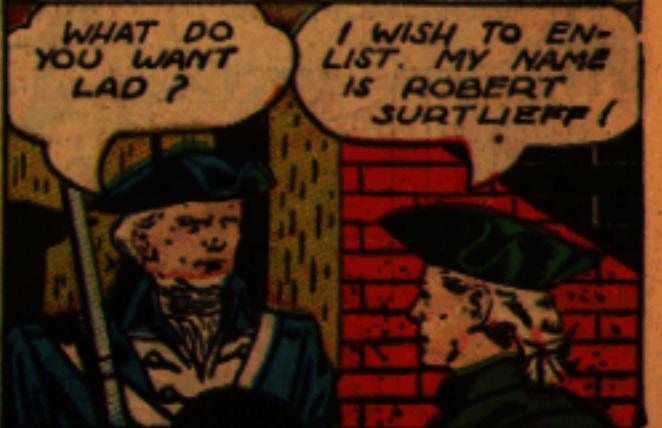
UNPENITENT HUSSY YOU ARE NO LONGER A MEMBER OF OUR CHURCH!



BUT DEBORAH REMAINS DEFIANT AND UNAFRAID SHE CONTINUES HER ATTEMPT TO JOIN THE ARMY.

WHAT DO YOU WANT LAD?

I WISH TO ENLIST. MY NAME IS ROBERT SURTLIEFF!



SHE BECAME A REGULAR SOLDIER. HER COMPANY CLASHES WITH A BAND OF TORRIES SHE RECEIVES A SABRE WOUND

FOR A "BLOOMING BOY" YOU DID ALLRIGHT!
YOU'RE A GOOD FIGHTER "MOLLY"!
STOP CALLING ME THOSE NAMES! I DON'T LIKE THEM.



SOME WEEKS LATER, IN ANOTHER FIGHT

OH! I'M HIT IN THE THIGH! I CAN'T LET THEM TAKE ME TO THE HOSPITAL BECAUSE THEY WILL FIND ME OUT!



CRAWLING OFF BY HERSELF SHE SUFFERS UNTOLD AGONY UNTIL THE WOUND BEGINS TO HEAL



THAT WINTER SHE IS SENT TO THE NORTHWEST TO QUIET THE INDIANS WHO ARE ON THE WARPATH



DON'T SHOOT! I AM A WHITE MAN.

SO YOU ARE! FOLLOW ME! I'LL GET YOU OUT OF THIS.

SOME TIME LATER

PRIVATE ROBERT SURTLIEFF REPORTING FOR ORDERLY DUTY TO GENERAL PATTERSON.

VERY WELL ORDERLY, FALL IN. WE ARE ON OUR WAY TO PHILADELPHIA.



THERE IS AN EPIDEMIC IN PHILADELPHIA. DEBORAH IS STRICKEN.

WHY! YOU ARE A WOMAN! HOW DID YOU GET IN THE ARMY?

PLEASE DOCTOR DON'T GIVE ME AWAY! I WANT TO CONTINUE SERVING IN THE ARMY.



THE DOCTOR AGREES TO KEEP HER SECRET!

WHILE SHE WAS GETTING WELL A YOUNG GIRL FELL IN LOVE WITH HER

ANOTHER LOVE LETTER!



SHE SUCCESSFULLY DISCOURAGES HER ADMIRER

I'VE LOVED YOU FROM THE VERY MOMENT I SAW YOU RIDE INTO THE CITY WITH THE TROOPS!

I AM SORRY BUT I AM LEAVING TOWN. I HAVE IMPORTANT WORK TO DO.



AS ORDERLY, SHE IS SENT ACROSS THE ALLEGHENIES TO OHIO. SHE HAS A NUMBER OF FIGHTS WITH INDIANS.

THAT OUGHT TO TAKE CARE OF YOU!



UPON HER RETURN, A SUMMONS FROM GENERAL PATTERSON.

I HAVE A LETTER FROM A PHILADELPHIA DOCTOR. HE INFORMS ME THAT YOU ARE A WOMAN. IS THIS CORRECT?



YES SIR!

WHAT A JOKE! PLEASE PUT ON YOUR RIGHTFUL DRESS. LET'S SEE IF ANY OF YOUR COMRADES RECOGNIZE YOU!



ESCORTED BY THE GENERAL, DEBORAH WALKS UP AND DOWN BEFORE HER COMRADES

WHO IS THE LADY WITH THE GENERAL?



DEBORAH IS HONORABLY DISCHARGED FROM THE ARMY

OF COURSE YOU REALIZE THAT YOU CANNOT REMAIN IN THE ARMY. YOU HAVE BEEN A GOOD SOLDIER HOWEVER AND DESERVE THE HIGHEST PRAISE!



YES INDEED!

UNDER THE NAME OF EPHRAIM SAMPSON, SHE GETS A JOB AS A FARM HAND



THE NEXT YEAR SHE IS MARRIED AND SETTLES DOWN AS A FARMER'S WIFE. SHE HAS SEVERAL CHILDREN



FOR A NUMBER OF YEARS SHE PARADES IN UNIFORM WITH THE VETERANS



THE OLD BULLET IN HER THIGH BEGAN TO BOTHER HER AND SHE BECAME AN INVALID FOR THE REST OF HER LIFE.



DEBORAH SAMPSON RECEIVED A GOVERNMENT PENSION. UNFORTUNATELY TODAY SHE IS ALMOST FORGOTTEN, YET SHE WAS ONE OF THE MANY DARING WOMEN WHO HAVE RENDERED EXCEPTIONAL SERVICE TO OUR COUNTRY

DEATH FIGHTER

DR. ROBERT KOCH (1843-1910)

THE STORY OF A GERMAN COUNTRY DOCTOR WHO, WITH THE AID OF A MICROSCOPE, PROVED THAT MANY DISEASES WERE CAUSED BY GERMS SO SMALL THAT THEY CAN NOT BE SEEN BY THE NAKED EYE.



THE DEADLY DISEASE ANTHRAX WAS CAUSING MANY CATTLE AND SHEEP TO DIE.

YESTERDAY, I LET HER OUT TO PASTURE. NOW — SHE IS DEAD!

UNLESS THIS DISEASE IS WIPED OUT WE WILL ALL BE RUINED!



DR. PASTEUR'S WRITINGS GIVE ME A CLUE.



SLOW, PAINSTAKING DR. KOCH DECIDED TO SOLVE THE PROBLEMS OF THE DISEASE.

IF PASTEUR IS RIGHT, THERE SHOULD BE NO DISEASE GERMS IN THE BLOOD OF THIS COW.



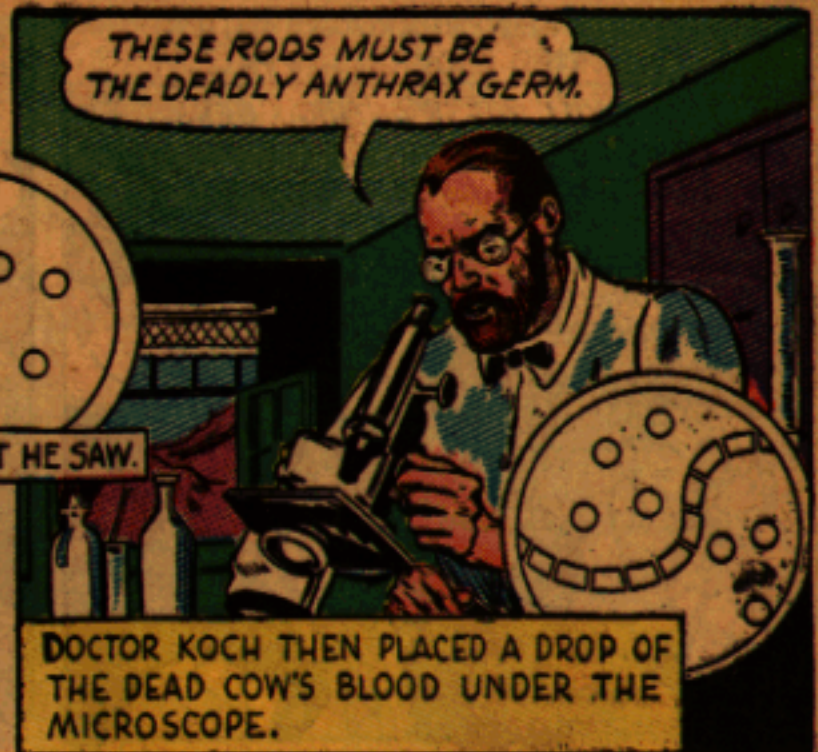
HE TOOK SOME BLOOD FROM A COW KILLED BY THE DISEASE. HE TOOK SOME FROM A HEALTHY COW.



THIS HEALTHY COW'S BLOOD IS AS IT SHOULD BE.

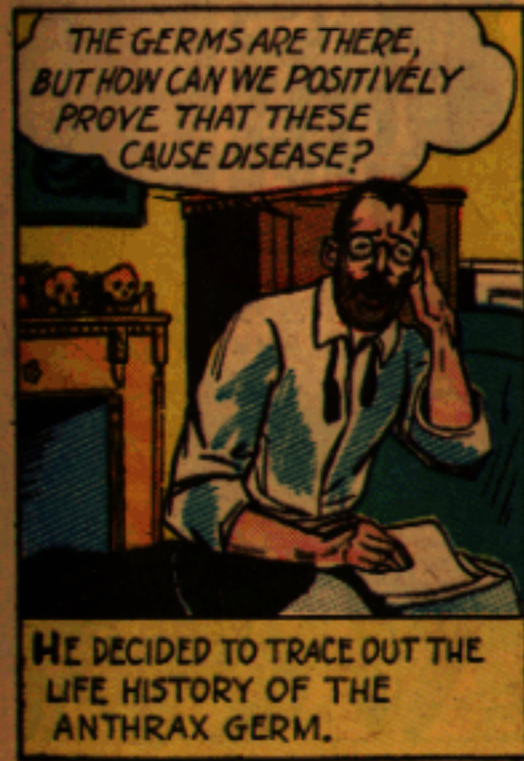
THIS IS WHAT HE SAW.

DR. KOCH THEN PLACED A DROP OF THE HEALTHY COW'S BLOOD UNDER THE MICROSCOPE.



THESE RODS MUST BE THE DEADLY ANTHRAX GERM.

DOCTOR KOCH THEN PLACED A DROP OF THE DEAD COW'S BLOOD UNDER THE MICROSCOPE.



THE GERMS ARE THERE, BUT HOW CAN WE POSITIVELY PROVE THAT THESE CAUSE DISEASE?

HE DECIDED TO TRACE OUT THE LIFE HISTORY OF THE ANTHRAX GERM.

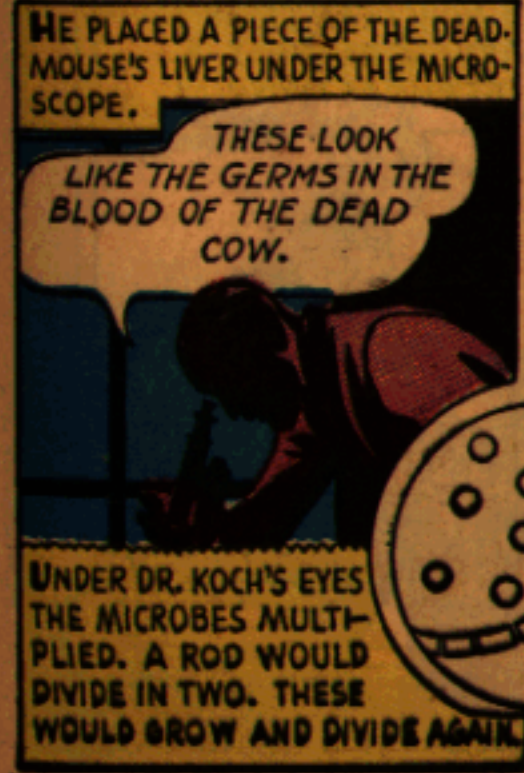


I SHALL PLACE THE MICE IN SEPERATE CAGES AND THEN WE SHALL SEE WHAT HAPPENS.

HE SELECTED TWO MICE. IN THE TAIL OF ONE HE MADE A TINY CUT AND PLACED SOME OF THE DEAD COW'S BLOOD ON IT. TO THE OTHER MOUSE HE DID NOTHING.



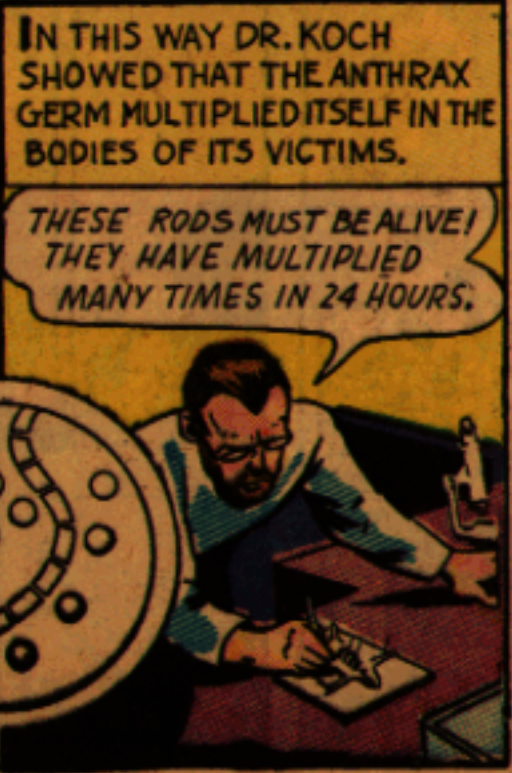
IN THE MORNING HE RAN EAGERLY TO LOOK AT THE MICE. THE ONE WITH THE CUT IN ITS TAIL WAS DEAD!



HE PLACED A PIECE OF THE DEAD-MOUSE'S LIVER UNDER THE MICROSCOPE.

THESE LOOK LIKE THE GERMS IN THE BLOOD OF THE DEAD COW.

UNDER DR. KOCH'S EYES THE MICROBES MULTIPLIED. A ROD WOULD DIVIDE IN TWO. THESE WOULD GROW AND DIVIDE AGAIN.



IN THIS WAY DR. KOCH SHOWED THAT THE ANTHRAX GERM MULTIPLIED ITSELF IN THE BODIES OF ITS VICTIMS.

THESE RODS MUST BE ALIVE! THEY HAVE MULTIPLIED MANY TIMES IN 24 HOURS.



BUT IF I AM GOING TO SEE THESE RODS GROW UNDER MY VERY EYES I MUST GET THEM TO REMAIN FIXED.

FOR DAYS HE WENT AROUND WITH A WORRIED LOOK ON HIS FACE.

I MUSTN'T KILL THESE ANTHRAX GERMS, BUT I MUST BE ABLE TO SEE CLEARLY HOW THEY MULTIPLY. BUT HOW?

GOOD MORNING, HERR DOCTOR.



HE HEATED A TEST TUBE IN ORDER TO FIRST KILL ANY OTHER GERMS THAT MIGHT BE IN IT.

PERHAPS THIS IS THE WAY!



NEXT HE FILLED THIS TEST TUBE WITH THE WARM LIQUID FROM THE EYE OF A RECENTLY-KILLED HEALTHY COW.

WHEN HE GOT BACK TO HIS LABORATORY, HE PLACED A DROP OF THE LIQUID FROM THE RECENTLY KILLED COW ON A SLIDE, AND TURNED THE SLIDE UPSIDE DOWN, MAKING A HANGING DROP. INTO THE LIQUID HE DROPPED SOME ANTHRAX GERMS AND WARMED IT.

I WONDER WHETHER THE ANTHRAX GERMS HAVE MULTIPLIED UNDER THESE NEW CONDITIONS.



THE DISEASE GERMS SHOULD MULTIPLY IN THIS WARM LIQUID

THIS MAY BE A WAY TO DO IT.



IN THE MIDDLE OF THE NIGHT, HE WENT TO LOOK AT HIS SLIDE.

AT LAST! I CAN ACTUALLY SEE THESE RODS GROW.



HIS PATIENCE WAS FINALLY REWARDED WITH SUCCESS.

NOW I CAN STUDY THESE ANTHRAX GERMS AS I WISH.



HE STUDIED HOW RAPIDLY THESE GERMS GREW.

THE ANTHRAX GERMS, WHICH ARE THE RODS I SAW BEFORE, DIVIDE IN TWO EVERY TWENTY-MINUTES.



AT THE RATE THEY MULTIPLY, TWO GERMS GROW INTO 16,000,000 GERMS EVERY EIGHT HOURS.



HE REPEATED HIS EXPERIMENTS, MANY TIMES TO MAKE SURE THAT HE WAS RIGHT ABOUT THE SPEED WITH WHICH THESE GERMS MULTIPLIED.



I WILL NOW INJECT, INTO A HEALTHY MOUSE, SOME OF THESE PURE ANTHRAX GERMS, WHICH I HAVE GROWN.



THE MOUSE WAS DEAD THE NEXT MORNING.

THESE ANTHRAX GERMS HAVE MULTIPLIED IN THE BLOOD OF THE MOUSE AND CAUSED ITS DEATH



STILL DR. KOCH WAS NOT ABSOLUTELY SURE THAT HE WAS RIGHT.

BUT WHAT WE WANT TO KNOW, DOCTOR, IS WHY SOME ANIMALS ARE HEALTHY IN CERTAIN FIELDS AND DIE WHEN TAKEN TO OTHER FIELDS.



HE INJECTED SHEEP, RABBITS AND GUINEA PIGS WITH THE SAME ANTHRAX GERMS.



SOME OF THE PUZZLES STILL REMAINED UNSOLVED; HOW IS THE DISEASE SPREAD FROM ANIMAL TO ANIMAL?

I MUST FIND OUT WHETHER SUNSHINE KILLS THESE ANTHRAX GERMS.



KOCH DECIDED TO TRY SOME MORE EXPERIMENTS. 4

NOW THAT I HAVE EXPOSED THESE ANTHRAX GERMS TO THE SUNSHINE, I MUST EXAMINE THEM UNDER MY MICROSCOPE AGAIN.



THE GERMS NOW LOOKED DEAD. THEY HAD SHRIVELED UP AND LOOKED LIKE TINY BEADS.



DR. KOCH NEXT PLACED THESE GERMS THAT APPEARED CHANGED IN A LIQUID AND WARMED THEM. BACK THEY TURNED INTO THEIR FORMER SHAPES.

I'VE GOT IT! THE COWS EAT GRASS IN CERTAIN FIELDS WITH THESE BEAD-LIKE GERMS ON THEM, AND THE GERMS BECOME ACTIVE WHEN THEY ENTER THE COWS BLOOD.



DR. KOCH WAS NOW READY TO TELL THE WORLD ABOUT HIS DISCOVERY. HE TOOK HIS RESULTS TO THE UNIVERSITY OF BRISLAU.



ALL THE GREAT MEN CAME TO HEAR HIM. FOR THREE DAYS THEY WATCHED HIM PERFORM HIS EXPERIMENTS.

NEVER MIND-IT IS A GREAT DISCOVERY!

BUT WHO IS THIS KOCH?

HE HAS CERTAINLY DONE THE MOST CAREFUL, THOROUGH EXPERIMENTS.



THEY WERE TREMENDOUSLY EXCITED!

ONE OF THE PROFESSORS RUSHED TO HIS CLASSROOM.



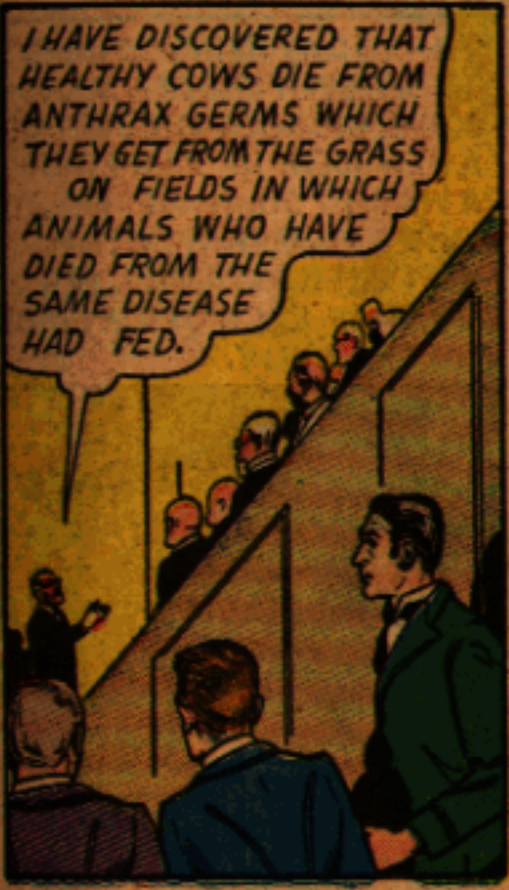
DROP EVERYTHING, BOYS! GO SEE WHAT DR. KOCH HAS DONE—THIS MAN HAS MADE A GREAT DISCOVERY!

AND IN THE DORMITORIES—



BUT WHAT IS THIS DISCOVERY, HEINRICH?

ONE OF THE GREATEST DISCOVERIES IN THE HISTORY OF BACTERIOLOGY.



I HAVE DISCOVERED THAT HEALTHY COWS DIE FROM ANTHRAX GERMS WHICH THEY GET FROM THE GRASS ON FIELDS IN WHICH ANIMALS WHO HAVE DIED FROM THE SAME DISEASE HAD FED.



ALL ANIMALS THAT DIE OF ANTHRAX MUST BE DESTROYED AT ONCE. BURN THEM! BURY THEM DEEP IN THE GROUND WHERE THE EARTH IS SO COLD THE GERM CANNOT LIVE!

DR. KOCH TOLD HIS AUDIENCE HOW TO FIGHT THE SPREAD OF ANTHRAX AMONG CATTLE.

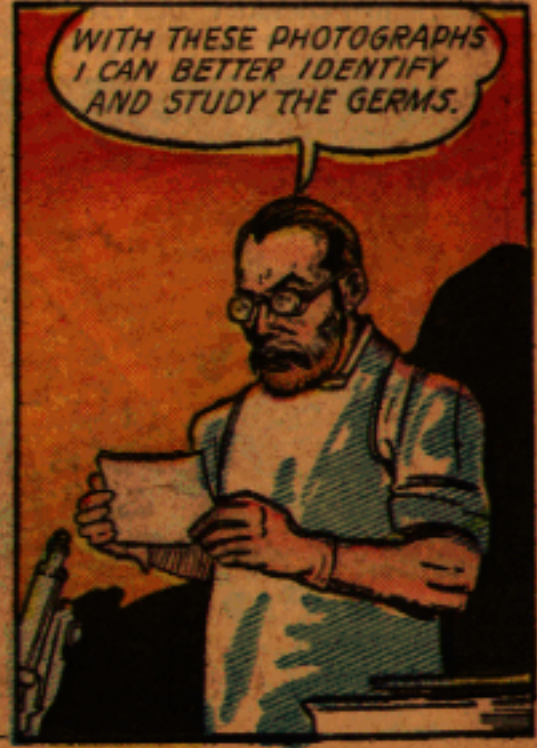


AFTER A SHORT STAY AS CITY DOCTOR IN BRESLAU, DR. KOCH RETURNED TO HIS OWN TOWN. HERE FROM 1878-1880 HE CONTINUED HIS EXPERIMENTS.

UNLESS WE CAN PHOTOGRAPH THESE MURDEROUS BUGS THE WORLD WILL NOT BELIEVE THEY EXIST.



UNKNOWN, HE SAVED MONEY ENOUGH TO BUY A CAMERA. WITH IT HE PHOTOGRAPHED ANTHRAX.



WITH THESE PHOTOGRAPHS I CAN BETTER IDENTIFY AND STUDY THE GERMS.

AT LAST THE GENIUS OF DR. KOCH WAS RECOGNIZED AND REWARDED.



YOU HAVE BEEN APPOINTED A PROFESSOR OF MEDICINE AT BRÉS LAU.



I AM NOT SATISFIED YET. I WANT TO BE ABLE TO HOLD GERMS IN ONE POSITION SO I CAN EXAMINE THEM MORE CAREFULLY UNDER THE MICROSCOPE.

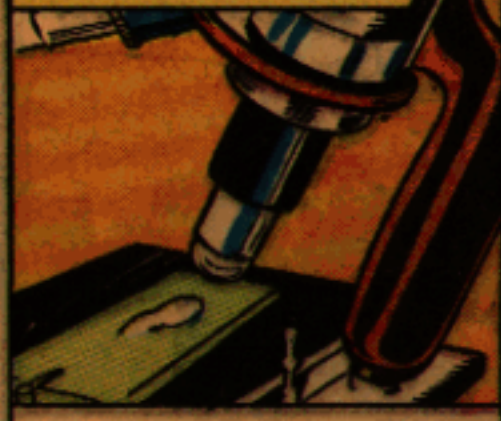
HE WAS GIVEN A FINE LABORATORY AND TWO ASSISTANTS TO HELP HIM IN HIS EXPERIMENTS.

I SUSPECT THAT THESE SPECKS OF DIFFERENT COLORS ARE COLLECTIONS OF GERMS OF DIFFERENT KINDS.



BY CHANCE, DOCTOR KOCH DISCOVERED SPECKS OF DIFFERENT COLORS ON A BOILED POTATO.

ON BOILED POTATOES HE FOUND THAT HE COULD GROW SOME GERMS EVEN BETTER THAN HE COULD IN WARM LIQUIDS.



UNDER THE MICROSCOPE HE FOUND HIS GUESS TO BE TRUE.

TINY GERMS BEING SO HARD TO SEE EVEN UNDER A MICROSCOPE, DR. KOCH THOUGHT UP A NEW IDEA. HE PERFECTED A WAY TO STAIN DIFFERENT TYPES OF GERMS WITH DIFFERENT COLOR DYES SO THAT EACH GERM STOOD OUT CLEARLY.



THIS IMPORTANT ADVANCE WAS A GREAT HELP IN STUDYING GERMS.



WITH THE HELP OF HIS ASSISTANTS, HE FOUND AND PHOTOGRAPHED THE GERMS OF 11 IMPORTANT HUMAN DISEASES AMONG THEM TUBERCULOSIS, CHOLERA, TYPHOID, DIPHTHERIA, PNEUMONIA AND THE BUBONIC PLAGUE.





DR. KOCH LECTURED TO DOCTORS AND SCIENTISTS AND HELPED THEM TO FIGHT DISEASE ALL OVER THE WORLD.



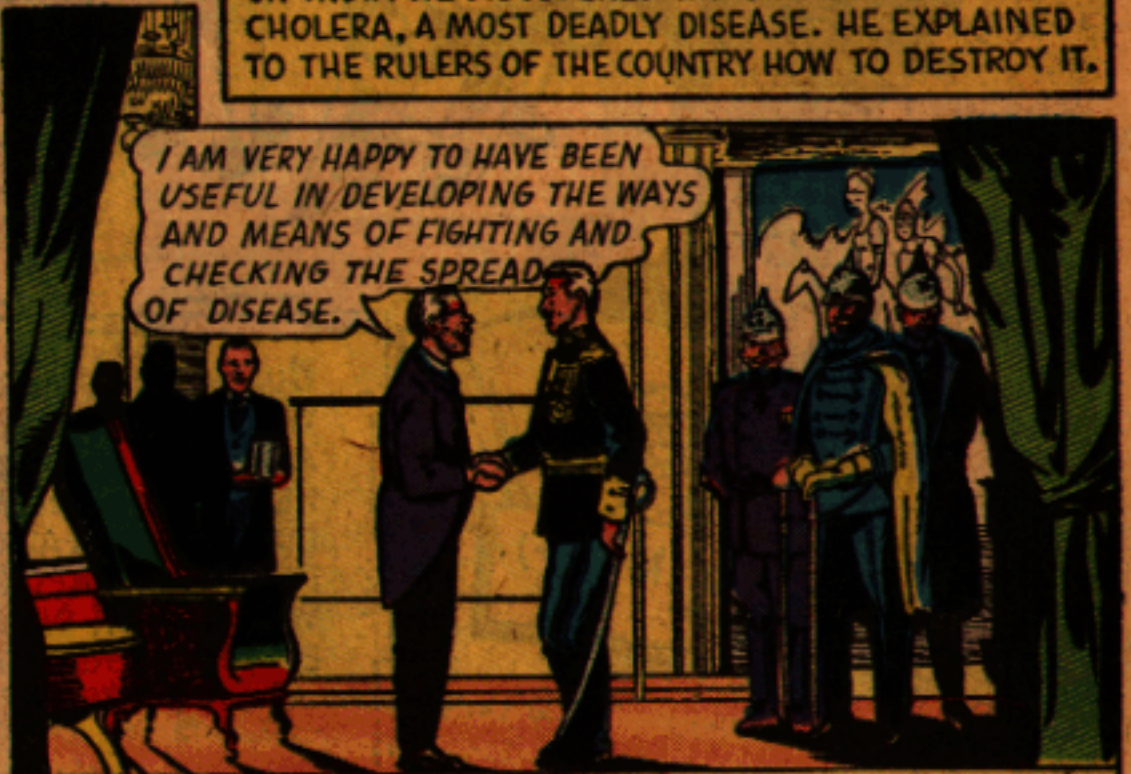
IN INDIA HE DISCOVERED THE GERM THAT CAUSED CHOLERA, A MOST DEADLY DISEASE. HE EXPLAINED TO THE RULERS OF THE COUNTRY HOW TO DESTROY IT.

MANY DISEASES ARE SPREAD BY GERMS PASSING FROM SICK ANIMALS TO HEALTHY ANIMALS, AND FROM SICK PEOPLE TO HEALTHY PEOPLE. THE GERMS PASS THROUGH PERSONAL CONTACT OR THROUGH WATER, MILK, OR OTHER INDIRECT CONTACT.



IN EGYPT HE HELPED FIGHT THE CHOLERA EPIDEMIC THAT HAD SPREAD OVER FROM INDIA.

I AM VERY HAPPY TO HAVE BEEN USEFUL IN DEVELOPING THE WAYS AND MEANS OF FIGHTING AND CHECKING THE SPREAD OF DISEASE.



MANY NATIONS THROUGHOUT THE WORLD AWARDED HIM MEDALS AND OTHER DECORATIONS.



THE GREATEST MEDICAL HONOR, THE NOBEL PRIZE, WAS AWARDED TO HIM IN 1905.

ARISTOTLE
 ROGER BACON (c. 1220-1292)
 NICOLAUS COPERNICUS (1473-1542)
 GALILEI GALILEO (1564-1642)
 JOHANN KEPLER (1571-1630)
 ANTHONY VAN LEEUWENHOEK (1632-1723)
 MARTIN LISTER (1817-1910)
 SIR ISAAC NEWTON (1642-1727)
 EDWARD JENNER (1749-1823)
 JOHN DALTON (1766-1844)
 ANDRE MARIE AMPERE (1775-1836)
 GEORG SIMON OHM (1787-1854)
 CHARLES ROBERT DARWIN (1809-1882)
 JAMES PRESCOTT JOULE (1818-1889)
 HERMAN LUDWIG F. JON HANSEN (1809-1895)
 ROBERT KOCH (1843-1910)

DR. ROBERT KOCH IS RECOGNIZED THROUGHOUT THE WORLD AS "THE FATHER OF BACTERIOLOGY," WHICH IS THE SCIENCE OF GERMS. TO HIM WE ARE INDEBTED FOR MUCH OF OUR KNOWLEDGE OF WAYS TO FIGHT DISEASE.

BILLY BISHOP

CANADIAN AIR ACE



AIR MARSHAL
WILLIAM A. BISHOP (1894 -)



DURING WORLD WAR NO.1, BILLY BISHOP WAS IN MORE THAN 170 AIR BATTLES AND SHOT DOWN 72 ENEMY PLANES. HE SET A RECORD WHEN HE DESTROYED 25 GERMAN AIRCRAFT IN 12 DAYS. DESPITE HIS RECKLESS DARING - HE WASN'T EVEN WOUNDED. HOW BILLY BISHOP BECAME CANADA'S GREATEST WAR ACE FOLLOWS.

WHEN WORLD WAR NO.1 BROKE OUT, BILLY BISHOP WAS A STUDENT AT MILITARY SCHOOL. HE HASTENED TO ENLIST.

I'D LIKE TO VOLUNTEER FOR THE CANADIAN MOUNTED RIFLES.

VERY WELL, BISHOP, SIGN HERE



HE WAS MADE A LIEUTENANT. FOR MONTHS HIS REGIMENT TRAINED IN CANADA.

I VOLUNTEERED FOR ACTION. WHEN ARE WE GOING OVER SEAS?



OFF TO ENGLAND AT LAST!



ASSIGNED TO THE MUDDIEST FIELD IN ENGLAND, THE REGIMENT TRAINED KNEE DEEP IN MUD.

I CAME TO DEFEND OUR NATIVE SOIL, NOT TO EAT IT!



HIS TRANSFER WAS APPROVED AND HE WAS SENT TO THE ROYAL FLYING CORPS.

BOY, THAT'S A TRIM SHIP! NO MUD ON IT! I'M GOING TO TRANSFER TO THE AIR SERVICE!

YOU HAVE BEEN ASSIGNED TO TRAIN AS AN OBSERVER, BISHOP. GOOD LUCK!

THE EASIEST WAY TO GET INTO THE AIR SERVICE IS AS AN OBSERVER.

AFTER TRAINING SCHOOL, HE WAS SENT TO FRANCE.

I'LL BE A PILOT YET!

GOT HIM! WITH WHAT I KNOW ABOUT FRITZ, I'LL GET THE VICTORIA CROSS BEFORE I'M THROUGH.

FOUR MONTHS IN FRANCE AND HE BECAME AN OUTSTANDING SHARPSHOOTER. HE ALSO STUDIED THE ENEMY'S TACTICS IN THE AIR.

HE WAS THEN ORDERED BACK TO ENGLAND.

SIR, WITH MY TRAINING I SHOULD MAKE A GOOD PILOT. WON'T YOU GIVE ME A TRY?

WELL, BISHOP, YOU CAN HAVE YOUR CHANCE.

HIS TRAINING TOOK ONE YEAR.

THIS ZEPPELIN PATROL IS GOOD TRAINING IN NIGHT FLYING.

LIEUTENANT BISHOP, CONGRATULATIONS! YOU ARE TO REPORT FOR ADVANCED COMBAT TRAINING.

AT ONCE, SIR!

HE WAS TRAINED IN THE HANDLING OF THE SPEEDY NIEUPOORT SCOUT. THEN--- OFF TO FRANCE.

FROM HERE ON, BILLY BISHOP SET A REMARKABLE RECORD. WITHIN A FEW MONTHS HE WAS MADE A CAPTAIN.



EARLY ONE MORNING ----



NOTHING DOING HERE. NOBODY'S HOME. SEE IF I CAN'T FIND AN-OTHER AIRDROME.



SOON HE FINDS ANOTHER GERMAN AIRDROME.

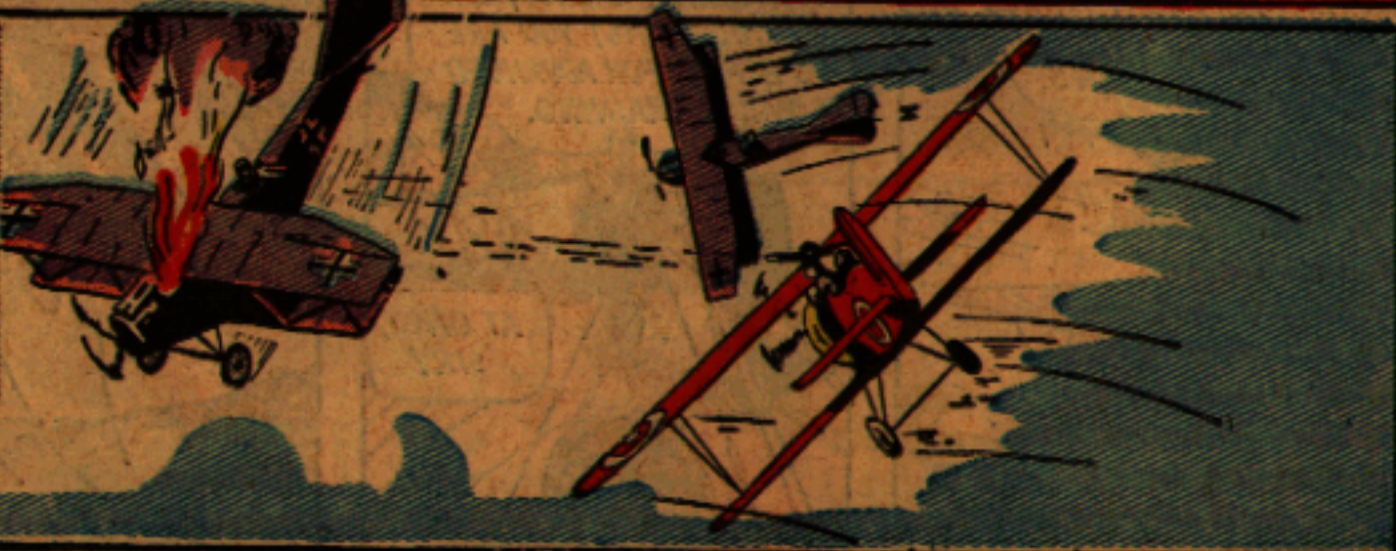
ONE GERMAN PLANE STARTED DOWN THE RUNWAY. BISHOP CAME AT HIM.



ANOTHER --- ALMOST INTO THE AIR.



TWO MANAGE TO GET INTO THE AIR. BISHOP EMPTIED HIS GUN FIRING AT ONE.



PUTTING ON ANOTHER DRUM OF BULLETS, BISHOP WENT AFTER THE LAST PLANE.



ONE FINAL BURST FROM BISHOP'S GUN—



WELL, THAT'S ENOUGH FOR YOU, FRITZ OLD BOY!

IN HIS LAST TWELVE DAYS IN FRANCE, BISHOP BAGGED 25 ENEMY PLANES, AN EVEN GREATER RECORD THAN THE GERMAN ACE RICHTOFEN OR ANY OTHER FLYER EVER MADE..



THAT MAKES NUMBER 60 FOR ME.



NO ODDS WERE TOO GREAT FOR BISHOP.



HM-M, THREE TO ONE; THAT'S GOOD ODDS



FREQUENTLY, LOW ON FUEL, AND WITH AMMUNITION GONE, BISHOP HAD TO ALMOST HEDGEHOP THE TRENCHES GETTING HOME.



20 SHIPS IN 11 DAYS!

THREE CHEERS FOR CAPTAIN BISHOP!

HIP, HIP, HOORAY!

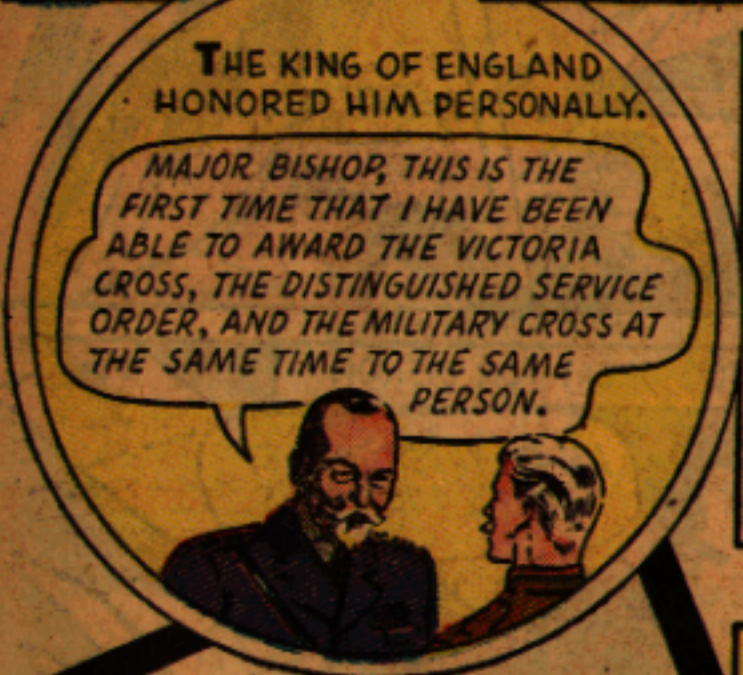


THIS IS MY LAST DAY IN FRANCE. I WANT ONE LAST CRACK AT THE GERMANS!

HE WAS MADE A MAJOR GENERAL AND ORDERED BACK TO ENGLAND.



WELL, THAT MAKES THE FIFTH TODAY---AND MY LAST. I OUGHT TO BE SATISFIED WITH 72 AS A GRAND TOTAL.

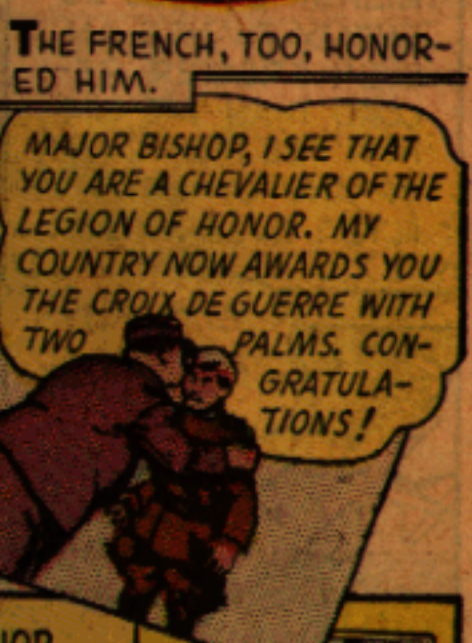


THE KING OF ENGLAND HONORED HIM PERSONALLY.

MAJOR BISHOP, THIS IS THE FIRST TIME THAT I HAVE BEEN ABLE TO AWARD THE VICTORIA CROSS, THE DISTINGUISHED SERVICE ORDER, AND THE MILITARY CROSS AT THE SAME TIME TO THE SAME PERSON.



SHORTLY THEREAFTER HE RECEIVED THE DISTINGUISHED FLYING CROSS.



THE FRENCH, TOO, HONORED HIM.

MAJOR BISHOP, I SEE THAT YOU ARE A CHEVALIER OF THE LEGION OF HONOR. MY COUNTRY NOW AWARDS YOU THE CROIX DE GUERRE WITH TWO PALMS. CONGRATULATIONS!

FROM: Major General
TO: Major William Bishop.
SUBJECT: Retirement from active service.
1. Your request to be relieved from active duty as soon as it can be arranged is hereby approved.
2. Your return to civilian life should be as successful as your career as an R.F.C. Commander.



THE WAR OVER, BILLY BISHOP BECAME A SUCCESSFUL EXECUTIVE.

THEN



WHEN WORLD WAR NO.2 BROKE OUT, HE WAS CALLED BACK INTO SERVICE.

HIS MAJESTY HAS BEEN PLEASED TO APPOINT LIEUTENANT COLONEL WILLIAM BISHOP INSPECTOR OF RECRUITING, WITH THE HONORARY RANK OF AIR MARSHAL.

I GUESS THAT MAKES ME THE ONLY AIR MARSHAL IN CANADA.

AIR MARSHAL BISHOP'S JOB WAS TO BUILD UP THE AIR FORCE.

THIS WAR MAY BE WON OR LOST IN THE AIR!

HE VISITED THOUSANDS OF CAMP SITES.

THIS WILL MAKE A GOOD PLACE TO START A TRAINING SCHOOL.

GENTLEMEN, NO MAN WILL BE PERMITTED TO EARN HIS WINGS UNLESS HE HAS THOROUGHLY MASTERED FLYING.

HE PERSONALLY SUPERVISED THE SELECTION OF RECRUITS.

IN SEPTEMBER, 1940, HE FLEW THE ATLANTIC TO ENGLAND. HE INSPECTED HIS "BOYS" OVER THERE AND HELD LONG INTERVIEWS WITH THE KING AND CHURCHILL.

HE ADDRESSED HIS "BOYS".

OUR ABILITY TO PRESERVE ENGLAND DEPENDS UPON THE KIND OF TRAINING WE GIVE HER WINGS. WE WILL NOT FAIL HER. SHE CANNOT LOSE!

NOW, BACK IN CANADA, AIR MARSHAL BISHOP, CANADIAN WAR ACE AND FATHER OF THOUSANDS OF NEW "WINGS," BENDS EVERY EFFORT TO MAKE GOOD HIS BOAST THAT EVERY MAN WHO GOES TO ENGLAND HAS THE FINEST TRAINING POSSIBLE.

FRONTIER FIGHTER

DANIEL BOONE WAS OUR GREATEST FRONTIER FIGHTER. AS A SCOUT AND INDIAN FIGHTER HE WAS BRAVE, COOL, A DEAD SHOT AND A MASTER OF WOODCRAFT.

ADAPTED FROM A PAINTING BY WARD LOCKWOOD IN THE LEXINGTON, KENTUCKY COURT HOUSE AND POSTOFFICE BUILDING

DANIEL BOONE
1734-1820

DANIEL BOONE WAS BORN IN 1734 IN THE BACKWOODS OF PENNSYLVANIA, THE SON OF A QUAKER BLACKSMITH.

WHERE'S DANIEL?

OUT HUNTING AGAIN I GUESS.

PLENTY SIGNS OF GAME. I OUGHT TO GET A FAT DEER.

DANIEL HAD VERY LITTLE SCHOOLING. MOST OF HIS EDUCATION WAS GAINED IN THE FOREST.



EVEN AS A BOY HE WAS FAMOUS FOR HIS MARKSMANSHIP.



ONE TIME THE WHOLE SETTLEMENT SET OUT TO LOOK FOR HIM WHEN HE FAILED TO RETURN AT NIGHT.



WHEN DANIEL WAS 16 THE FAMILY MOVED TO NORTH CAROLINA.



HE DEVELOPED INTO A FINE ATHLETE, A SKILLED, DARING AND SUCCESSFUL HUNTER.



WHEN HE WAS TWENTY HE MARRIED.



ONE DAY AN OLD INDIAN TRADER DROPPED IN FOR A VISIT.



BOONE SET OUT TO EXPLORE THE BLUE GRASS REGION OF KENTUCKY.



A HUNTER'S PARADISE

FOR WEEKS THE PARTY HUNTED AND EXPLORED THE FOREST.



I'VE MADE UP MY MIND. I'M GOING TO SETTLE IN THIS LAND.

SO AM I, OUR FUTURE IS ASSURED HERE

ONE MORNING BOONE AND HIS FRIEND JOHN, LEFT CAMP AND STARTED OUT TO HUNT. THEY FORGOT ALL ABOUT THE INDIANS.



WE'VE WALKED INTO A TRAP. DON'T FIGHT.

DANIEL, LOOK! INDIANS!

WE GIVE UP.

BOONE AND HIS COMPANION WERE MADE PRISONERS.



THEY'RE GOING TO KILL US.

AS THEY HAVEN'T KILLED US YET, IT SHOWS THAT THEY INTEND TO SPARE US FOR A WHILE, AT LEAST.

THEY'LL TORTURE US TO DEATH.

MAYBE. BE OBE-DIENT AND WATCH-FUL --- WHEN THE RIGHT TIME COMES, WE'LL ESCAPE.



FOR A WEEK BOONE MADE NO EFFORT TO ESCAPE. THEN ON THE SEVENTH NIGHT AFTER THEIR CAPTURE

DON'T MAKE A SOUND. NOW IS THE TIME TO MAKE A DASH FOR FREEDOM.



NOISELESSLY THEY SLIPPED OUT OF CAMP.



NOW TO GET BACK TO OUR CAMP AS QUICKLY AS POSSIBLE.



THEY REACHED THEIR CAMP BUT FOUND THE OTHER HUNTERS GONE.



I GUESS THE OTHERS HAVE RETURNED HOME. OUR AMMUNITION IS LOW--- WE'D BETTER RETURN TOO!

IMAGINE THE HAPPINESS OF HIS FAMILY WHEN HE RETURNED ALIVE AND WELL.



YOUR FRIENDS SAID THAT YOU HAD BEEN LOST. WE THOUGHT YOU WERE DEAD.

BOONE NEVERTHELESS DECIDED TO MOVE HIS FAMILY TO KENTUCKY.



NEIGHBORS, I'M GOING TO KENTUCKY. YOU'RE WELCOME TO JOIN ME.

MY FAMILY IS ALL SET TO GO.

I'LL GO WITH YOU.

ON THE WAY, THEY WERE ATTACKED BY INDIANS. BOONE'S OLDEST SON WAS AMONG THOSE KILLED. A COUNCIL WAS CALLED.



WE'VE LOST TOO MANY MEN AND OUR CATTLE HAVE BEEN SCATTERED. IT'S USELESS FOR US TO GO ON.

I'VE LOST A SON, BUT I SAY LET'S GO ON. KENTUCKY WILL REPAY US FOR OUR LOSSES.

NO, NO! LET'S GO BACK!

THEY RETURNED HOME. A NEW GROUP WAS FORMED WHICH SOUGHT TO BUY LAND IN KENTUCKY FROM THE INDIANS.

BOONE, YOUR REPORTS OF KENTUCKY MAKE US EAGER TO SETTLE THERE. WILL YOU ACT AS OUR AGENT IN BUYING LAND FROM THE INDIANS?

I'LL BE GLAD TO DO IT.



BOONE ARRANGED FOR A COUNCIL WITH THE INDIANS.

WE GIVE YOU THIS GOODS FOR YOUR LAND.

WE ACCEPT. HERE IS A DEED TO KENTUCKY SIGNED BY ALL THE LEADING CHIEFS.



BOONE LED A PARTY OF SETTLERS INTO KENTUCKY.

WE CAN'T TRUST THE INDIANS. AGREEMENTS MEAN NOTHING TO THEM. WE'VE GOT TO BE CAREFUL.



BOONE WAS RIGHT! FIFTEEN MILES FROM THEIR LAND THEY WERE ATTACKED, BY THE INDIANS FROM AMBUSH.

LET'EM HAVE IT MEN!

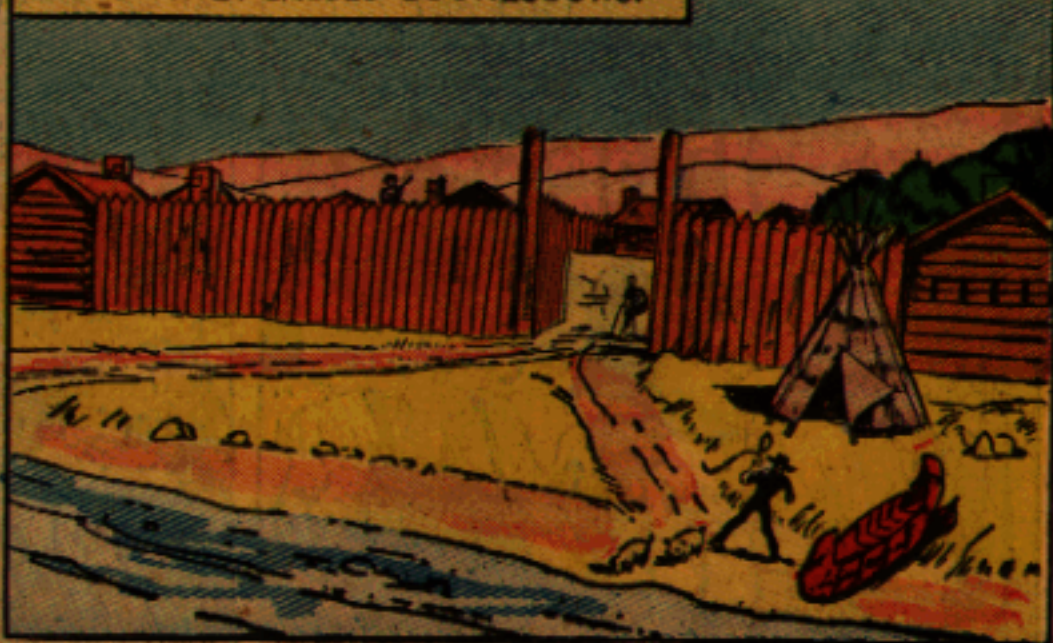


THE INDIANS WERE BEATEN OFF.

IT'S A GOOD THING THAT WE WERE READY FOR THEM.



THE SETTLERS LOST NO TIME IN PRESSING ON AHEAD. THEY CAME TO THE KENTUCKY RIVER WHERE THEY BUILT A FORT WHICH THEY CALLED BOONESBORO.



BOONE RETURNED TO HIS FAMILY AND SPREAD GLOWING TALES OF BOONESBORO.

THE LAND IS WONDERFUL! THE RIVERS FULL OF FISH, THE FORESTS OVERRUN WITH GAME.



I'M TAKING MY FAMILY OUT THERE.

DANIEL, WE'RE ALL EAGER TO JOIN YOU.



THEY REACHED BOONESBORO WITHOUT ANY TROUBLE.

YOU ARE THE FIRST WHITE WOMEN TO STAND HERE.



BOONESBORO WAS ATTACKED MANY TIMES BY THE INDIANS, BUT WITHOUT SUCCESS.

WE'RE ALL RIGHT AS LONG AS WE HAVE THESE.



THE SETTLEMENT RAN OUT OF SALT.

I'LL TAKE A PARTY OF MEN TO THE BLUE LICKS TO COLLECT SALT.



WHILE THE SETTLERS COLLECTED SALT, BOONE HUNTED.

WE COULD USE SOME FRESH MEAT.



A LARGE INDIAN WAR PARTY SURPRISED HIM.

I'M IN A PRETTY TOUGH SPOT.



HE WAS OVERTAKEN AND CAPTURED.

THE "LONG KNIFE"! WHOOP!

WHOO! IT IS BOONE!



BOONE KNEW THAT IF THE WHITE SETTLERS AT THE SALT LICK WERE ATTACKED THEY WOULD ALL BE KILLED.

IF MY FRIENDS THE WHITE MEN GIVE UP WILL YOU SPARE THEIR LIVES AND TREAT THEM WELL?

UGH! WE PROMISE.



THE INDIANS SURROUNDED THE MEN WHO HAD GONE FOR THE SALT.

FRIENDS, TAKE MY ADVICE--- GIVE UP. THE INDIAN CHIEF HAS PROMISED TO SPARE US.

ALL RIGHT, DANIEL, IF YOU SAY SO.



THE INDIANS TOOK THEIR PRISONERS TO THE DETROIT FORT OF THE BRITISH, WHOM THEY WERE HELPING IN THE REVOLUTIONARY WAR.

YOU'VE SOLD US ALL EXCEPT BOONE, WHOM YOU CALL LONG KNIFE. WE WILL PAY YOU WELL FOR HIM.

NO. WE LIKE LONG KNIFE. WE MAKE HIM BLOOD BROTHER, BIG CHIEF.



BOONE WAS ADOPTED INTO THE INDIAN TRIBE.

TAKE ALL HIS WHITE BLOOD OUT.



YOU HAVE BEEN HONORED. AS FAR AS WE ARE CONCERNED YOU ARE NOW AN INDIAN.



BOONE DECIDED TO LET THE INDIANS THINK THAT HE WAS SATISFIED.

I HAVE NO INTENTION OF STAYING HERE. FIRST REAL CHANCE I GET, I'LL ESCAPE.



ONE DAY, RETURNING FROM A HUNT, HE FOUND THE INDIANS PREPARING FOR WAR.

THEY'RE ON THE WAR PATH. THEY'RE GOING TO ATTACK BOONESBORO. I MUST ESCAPE AND WARN MY FRIENDS.



BOONE MADE BELIEVE HE WAS GOING ON A SHORT HUNT. BUT NO SOONER WAS HE OUT OF SIGHT OF THE INDIAN VILLAGE THAN HE BEGAN TO RUN TOWARDS BOONESBORO.

160 MILES TO BOONESBORO. I MUST GET THERE, AHEAD OF THE INDIANS.



PAUSING ONLY BRIEFLY FOR REST, HE REACHED BOONESBORO FIVE DAYS LATER.

I CAN HARDLY BELIEVE THAT IT'S YOU, BOONE.

WHY, IT'S DANIEL!

WE HAVE NO TIME TO LOSE. 450 WARRIORS ARE ON THEIR WAY TO ATTACK US.



THE INDIANS PUT OFF THEIR ATTACK BUT THREE WEEKS LATER-----

SOUND THE ALARM! A LARGE BRITISH AND INDIAN WAR PARTY IS APPROACHING BOONESBORO.



BOONESBORO WAS PREPARED FOR THE ATTACK.

BOONE, IN THE NAME OF HIS BRITANNIC MAJESTY, I DEMAND THAT YOU SURRENDER!

WE INTEND TO DEFEND THIS PLACE TO THE LAST MAN!



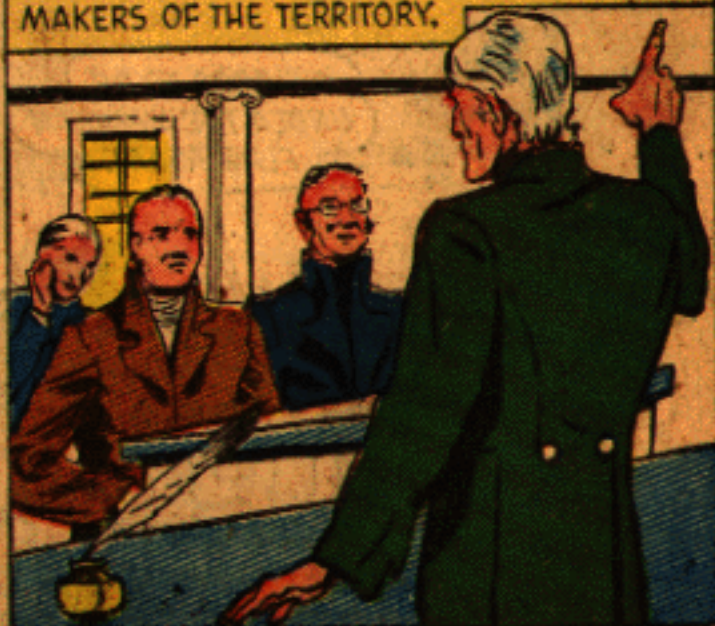
FOR NINE DAYS THE DEADLY KENTUCKY RIFLEMEN HELD OFF THE ATTACKING INDIANS AND BRITISH.

WE'VE TRIED RUSHING THE WALLS, AND TRIED TO STARVE THEM OUT, WITHOUT SUCCESS. IT'S NO USE. LET'S GO BACK TO DETROIT.

THAT'S THE TWENTIETH REDSKIN I'VE SHOT.



BOONESBORO WAS NEVER ATTACKED AGAIN. THE SETTLERS ENJOYED PEACE AND QUIET. BOONE WAS ELECTED ONE OF THE LAW MAKERS OF THE TERRITORY.



BOONE'S LAND WAS TAKEN AWAY FROM HIM BY LAND SPECULATORS. HE WAS HEARTBROKEN.

EVERYTHING IS LOST. I'M GOING TO MOVE TO MISSOURI. I'LL NEVER RETURN TO KENTUCKY.



BOONE SETTLED IN MISSOURI, WHICH WAS KNOWN AS THE SPANISH TERRITORY.

SENOR, WE HAVE HEARD OF YOU. YOU ARE WELCOME TO SETTLE HERE.



BOONE WAS MADE COMMANDER OF THE DISTRICT—

HIS EXCELLENCY HAS ASKED ME TO GIVE YOU THIS COMMISSION, SENOR BOONE. YOU ARE PUT IN COMMAND OF THIS DISTRICT.

THANK HIS EXCELLENCY FOR ME.



AND BOONE WAS ALSO GIVEN A LARGE PIECE OF LAND IN THE LOUISIANA TERRITORY.

ALL THIS TERRITORY HAS BEEN GRANTED TO ME. I SHOULD GET A GOOD INCOME OUT OF IT.



THE UNITED STATES BOUGHT LOUISIANA AND IT BECAME AN AMERICAN TERRITORY.

IT'S GOOD TO BE UNDER THE AMERICAN FLAG AGAIN.



BUT AGAIN, SIMPLE, HONEST DANIEL BOONE HAD HIS LAND TAKEN AWAY FROM HIM BY THE LAND COMMISSIONER.

THIS LAND WAS GIVEN TO ME BY THE SPANISH GOVERNMENT. I HAVE A DEED FOR IT.

I'M SORRY BOONE, BUT YOU DID NOT LIVE ON THE LAND. THAT IS THE LAW.



FRIENDS BEGGED CONGRESS TO GIVE HIM BACK HIS LOUISIANA LAND.

DANIEL BOONE HAS BEEN MOST USEFUL IN BREAKING TRAILS INTO THIS LAND AND IN MAKING IT SAFE FOR AMERICAN SETTLERS. WE BEG YOU TO LET HIM KEEP IT.



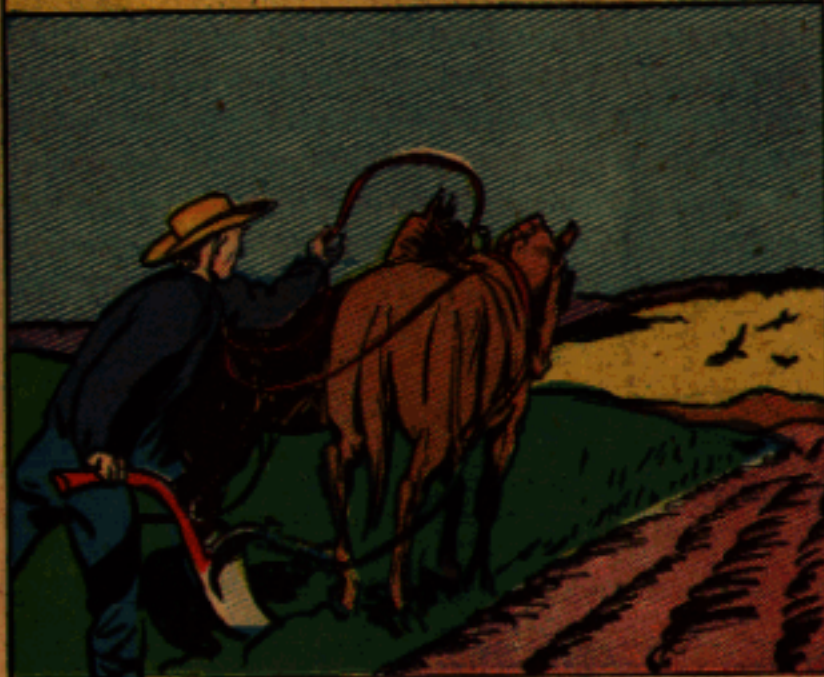
PART OF HIS LAND WAS GIVEN BACK TO HIM.

WE PROPOSE THAT DANIEL BOONE BE ALLOWED TO KEEP PART OF HIS LAND.

AYE, AYE



BOONE FARMED HIS LAND.



EVEN WHEN HE WAS MORE THAN SEVENTY YEARS OF AGE HE WOULD STILL HUNT IN THE FOREST.



AT EIGHTY, TOO OLD TO HUNT ANY LONGER, HE WAS VISITED BY FAMOUS MEN FROM ALL OVER THE COUNTRY.

MY FOOTSTEPS HAVE BEEN MARKED WITH BLOOD. INDIANS HAVE KILLED TWO OF MY SONS AND MY BROTHER. YET I AM GLAD TO HAVE HELPED SETTLE THE WILDERNESS.



TODAY, KENTUCKY STILL HONORS THE MEMORY OF DANIEL BOONE. JUNE 7TH IS KNOWN AS BOONE DAY. IN 1934 THE STATE CELEBRATED THE 200TH ANNIVERSARY OF HIS BIRTHDAY AND A BOY SCOUT PAGEANT WAS HELD IN HIS HONOR. HIS DEEDS ARE ENGRAVED ON THE HEARTS AND THE MINDS OF THE BOY SCOUTS OF AMERICA. HE WILL FOREVER BE REMEMBERED AS THE GREATEST AMERICAN FRONTIER FIGHTER.



BASEBALL'S

Hall of Fame

BASEBALL'S HALL OF FAME IS PART OF THE NATIONAL BASEBALL MUSEUM AT COOPERSTOWN, NEW YORK, WHERE, 102 YEARS AGO, THE GAME WAS FIRST PLAYED. COOPERSTOWN'S PUBLIC-SPIRITED CITIZENS ERECTED AND NOW MAINTAIN A BUILDING IN HONOR OF OUR OUTSTANDING BASEBALL HEROES.

THE HISTORY OF BASEBALL AND THE RELICS AND RECORDS OF THE HONORED PLAYERS ARE PRESERVED IN THIS HALL.



ONLY 13 PLAYERS HAVE BEEN ELECTED SO FAR.

RULES FOR ELECTION

1. A PLAYER MUST HAVE RETIRED FROM THE GAME FOR AT LEAST ONE YEAR.
2. THE BASEBALL WRITERS' ASSOCIATION SHALL CHOOSE THE MEMBERS FOR THE HALL OF FAME.
3. A PLAYER MUST RECEIVE 75% OF THE VOTES OF THE MEMBERS OF THE ASSOCIATION.



MAP SHOWING LOCATION OF COOPERSTOWN

... FIVE MEN WERE ELECTED IN 1935:



TYRUS R. COBB PLAYED IN 3,033 GAMES AND WAS THE LEADING AMERICAN LEAGUE BATTER FOR 12 YEARS. "TY" SCORED THE MOST RUNS (2,244); HIT SAFELY THE MOST TIMES (4,191) FOR THE GREATEST NUMBER OF TOTAL BASES (5,863) AND STOLE MORE BASES THAN ANYONE IN BASEBALL HISTORY.



JOHN HENRY WAGNER PLAYED EVERY POSITION ON THE FIELD EXCEPT CATCHER. "HONUS" WAS BEST KNOWN AS A SHORTSTOP AND LED THE NATIONAL LEAGUE IN BATTING FOR 11 YEARS.



GEORGE HERMAN RUTH PLAYED IN 2,502 GAMES, AND HOLDS THE ALL-TIME RECORD OF 60 HOME RUNS IN ONE SEASON. "BABE" WAS ALSO FAMOUS AS A PITCHER AND WON THE LONGEST WORLD SERIES GAME ON RECORD, 14 INNINGS.



CHRISTOPHER MATHEWSON HOLDS THE RECORD FOR THE MOST STRIKE-OUTS IN THE NATIONAL LEAGUE, 2,447. "BIG SIX" HAS 2 NO-HIT GAMES TO HIS CREDIT AND PITCHED THREE GAMES IN A WORLD SERIES, IN WHICH NO RUNS WERE SCORED BY HIS OPPONENTS.

THE FOLLOWING YEAR THREE MEN WERE ELECTED



WALTER P. JOHNSON WAS KNOWN AS THE "STRIKE-OUT-KING". THE "BIG TRAIN" STRUCK OUT A TOTAL OF 3,497 BATTERS. IN 113 GAMES HE ALLOWED NO RUNS. HE PITCHED 56 INNINGS IN A ROW WITHOUT ALLOWING A RUN. HE ALSO PITCHED TWO NO-HIT GAMES.



NAPOLÉON LAJOIE LED AMERICAN LEAGUE BATTERS FOR 3 YEARS AND BATTED OVER .300 FOR 15 YEARS. "NAP" WAS THE BEST SECOND BASEMAN OF HIS DAY.



TRISTRAM E. SPEAKER WAS THE GREATEST OUTFIELDER IN BASEBALL. "TRIS" HOLDS A HIGH LIFE-TIME FIELDING AVERAGE OF .970 WITH 6,751 PUT-OUTS, 461 ASSISTS, AND 244 ERRORS. HE LED THE AMERICAN LEAGUE IN BATTING IN 1916.

THREE MEN WERE CHOSEN IN 1938

EDWARD T. COLLINS HAD A PLAYING CAREER OF 25 YEARS. "EDDIE" WAS ONE OF THE BEST SECOND BASEMAN, A CONSISTENT BATTER AND AN EXCELLENT BASE-RUNNER. HE LED THE AMERICAN LEAGUE SECOND BASEMEN IN FIELDING FOR NINE YEARS. HE STOLE 744 BASES.



DENTON T. YOUNG WAS ONE OF THE FINEST PITCHERS IN BASEBALL. "CY" STRUCK OUT ALMOST 3,000 BATTERS AND PITCHED 3 NO-HIT GAMES.



GROVER C. ALEXANDER WAS ELECTED IN 1937. HE HOLDS THE NATIONAL LEAGUE RECORD OF 373 VICTORIES. "OL' PETE" PITCHED 4 SHUT-OUTS IN A ROW, 16 IN ONE SEASON AND 90 IN HIS LIFETIME.



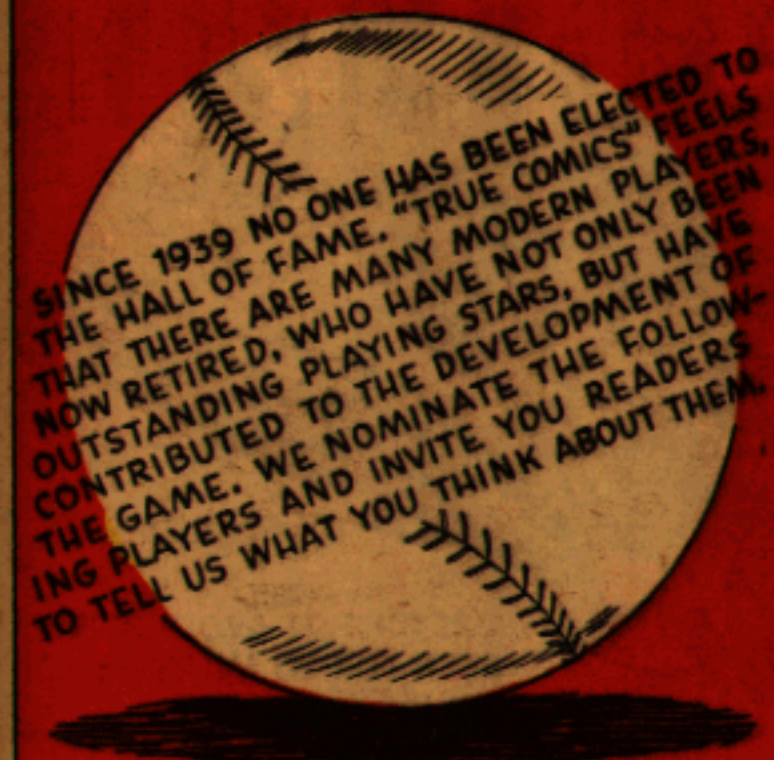
WILLIAM H. KEELER WAS THE BEST PLACE-HITTER IN BASEBALL. FOR 7 YEARS IN A ROW HE MADE OVER 200 HITS AND SCORED MORE THAN 100 RUNS EACH YEAR.



GEORGE H. SISLER WAS A BRILLIANT FIRST BASEMAN. "GORGEOUS GEORGE" HOLDS THE AMERICAN LEAGUE RECORD FOR HITS PER SEASON, 257.



IN 1939, THE BASEBALL WRITERS' ASSOCIATION BROKE THE 1 YEAR RETIREMENT RULE TO UNANIMOUSLY ELECT HENRY L. GEHRIG WHO HAD PLAYED 2,130 GAMES IN A ROW. "THE IRON HORSE" HIT 4 HOME RUNS IN ONE GAME AND TOOK PART IN 7 WORLD SERIES.



SINCE 1939 NO ONE HAS BEEN ELECTED TO THE HALL OF FAME. "TRUE COMICS" FEELS THAT THERE ARE MANY MODERN PLAYERS, NOW RETIRED, WHO HAVE NOT ONLY BEEN OUTSTANDING PLAYING STARS, BUT HAVE CONTRIBUTED TO THE DEVELOPMENT OF THE GAME. WE NOMINATE THE FOLLOWING PLAYERS AND INVITE YOU READERS TO TELL US WHAT YOU THINK ABOUT THEM.



ROGERS HORNSBY, WHO LED THE NATIONAL LEAGUE IN BATTING FOR 7 YEARS, DROVE IN 1,582 RUNS AND HIT SAFELY IN 53 GAMES IN A ROW—A LEAGUE RECORD. THE "RAJAH" ALSO MADE 1,783 EXTRA BASES AND HIT 12 HOME RUNS WITH BASES FILLED. IN 1925 AND 1929 HE WAS CHOSEN THE MOST VALUABLE PLAYER IN BASEBALL.



GEORGE E. WADDELL WAS THE "FANNING MONARCH" OF THE AMERICAN LEAGUE FOR 7 YEARS AND LED IN STRIKE-OUTS FOR 6 YEARS IN A ROW. "RUBE" STRUCK OUT 16 BATTERS IN ONE GAME AND 343 IN ONE SEASON—A RECORD.



EDWARD DELAHANTY WAS ONE OF THE GREATEST RIGHT HAND BATTERS IN HISTORY. "EDDIE" WAS THE ONLY PLAYER TO LEAD BOTH LEAGUES IN HITTING. TWICE, HE MADE 6 HITS IN 6 TIMES AT BAT AND IS ONE OF TWO PLAYERS TO HIT A TOTAL OF 17 BASES IN ONE GAME.

**CAPTAIN
JOHN JOUETT**
1754-1822

CAPTAIN JOHN
JOUETT—ONE OF THE
REAL HEROES OF
THE REVOLUTION-
ARY WAR. HERE IS
THE STORY OF ONE
OF HIS MANY DEEDS
OF DARING.

UNSUNG HERO

JUNE 3, 1781

THE BRITISH GENERAL
CORNWALLIS SENDS FOR HIS
COLONEL TARLETON.

THOMAS JEFFERSON, GOVERNOR
OF VIRGINIA, AND THE STATE LAW
MAKERS ARE 70 MILES FROM
HERE. DETACH 250 MEN AND
MOUNT THEM ON OUR BEST
HORSES. CAPTURE THESE REBELS
AND — DESTROY ANY MILITARY
SUPPLIES YOU FIND.

VERY
GOOD
SIR!

THE BRITISH AVOID BEING
SEEN FOR 30 MILES---
THEN---

WHEN COLONEL TARLETON PASSES CUCKOO TAVERN
40 MILES FROM HIS DESTINATION, AMERICAN
CAPTAIN JOHN JOUETT DISCOVERS HIM —

THEY MUST BE OUT TO CAPTURE GOVERNOR JEFFERSON. I MUST GET THERE FIRST!



CAPTAIN JOUETT MOUNTS TO GIVE THE ALARM.



THE RACE IS ON!

ACROSS COUNTRY, HIS FACE CUT BY LOW HANGING BRANCHES, CAPTAIN JOUETT DASHES TO WARN THOMAS JEFFERSON.



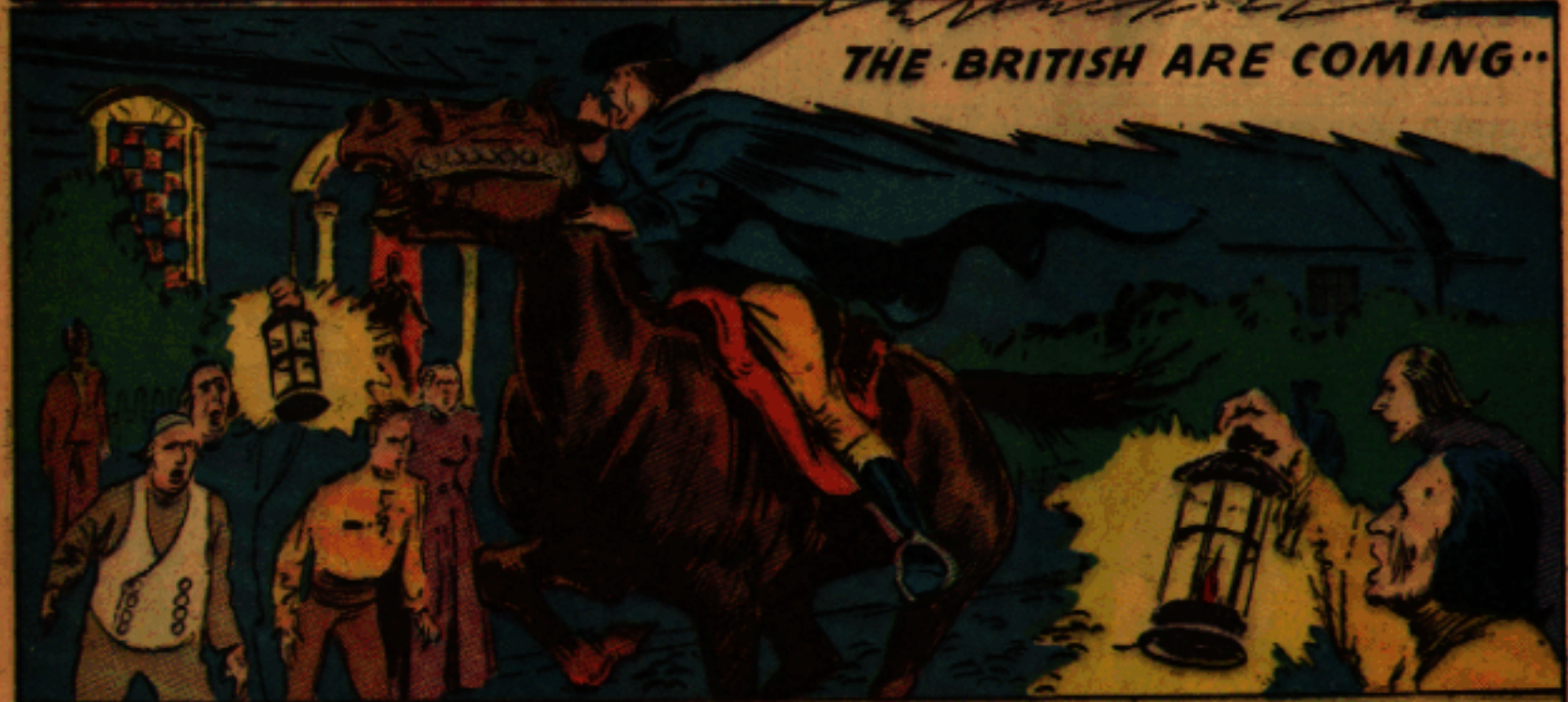
ON THE WAY, THE BRITISH STOP TO BURN 12 WAGONS LOADED WITH CLOTHING FOR THE AMERICAN ARMY.



SIR, I SPIED THE BRITISH TROOPS AT THE CUCKOO TAVERN 40 MILES AWAY AND HASTENED TO WARN YOU - THEY CANNOT BE FAR BEHIND ME NOW!

TWO OF THE AMERICAN LAW MAKERS ARE SURPRISED BY THE BRITISH AND TAKEN OUT OF THEIR BEDS.





THE LAWMAKERS ARE WARNED IN TIME FOR MOST OF THEM TO ESCAPE.





RIDE OFF INTO THE WOODS. I'LL LEAD THEM A MERRY CHASE!

HALT!

BY A TRICK, CAPTAIN JOUETT HELPS THE AMERICAN GENERAL TO SLIP INTO THE WOODS. HE THEN STAYS WITHIN SIGHT OF THE ENEMY LONG ENOUGH FOR THE GENERAL TO GET AWAY.



I PROPOSE A SUITABLE REWARD FOR CAPTAIN JOUETT.

AYE! AYE!

A SWORD AND A PAIR OF PISTOLS

THE LAW MAKERS SHOW THEIR GRATITUDE.



YOUR DARING RIDE SAVED HENRY LEE, PATRICK HENRY, THOMAS JEFFERSON AND OTHERS. IN GRATEFUL APPRECIATION OF YOUR SERVICE WE PRESENT YOU THIS TOKEN.

CAPTAIN JOUETT WAS ONE OF THE MOST RESPECTED MEN IN THE COMMUNITIES IN WHICH HE LIVED.



HE LATER SERVED IN SEVERAL STATE LAW MAKING BODIES.



HIS CAREER WAS A LONG AND PROMINENT ONE. BUT NO ONE TODAY KNOWS WHERE HE IS BURIED. JOHN JOUETT'S SERVICE TO HIS COUNTRY IS UNFORTUNATELY NOW LITTLE REMEMBERED.

FROM FUN TO

How Two Boys With a Hobby Made Good

EVEN as children Leopold Damrosch Mannes and Leopold Godowsky, Jr., were expected to follow in the footsteps of their famous fathers and become great musicians—and they did. But they did more than this. They became famous inventors as well.

Though the two boys did not meet until they were sixteen, each had the same hobby — photography. And strangely enough, both had become fascinated by the little-known art of taking pictures in color. They had each pestered their parents into buying them the expensive plates needed in the "Lumiere" process, the first form of color photography. This complicated process caused each to wonder if there wasn't an easier and simpler way of making colored pictures.

Both Leopolds were in the senior class at the Riverdale (New York) Country School when they became friends. In the beginning they were attracted to each other through musical interests since each knew well the name of the other's famous father. The first time they had any idea, however, that their hobbies were the same was when they began to take long walks together for exercise. Their talk turned from music to science. They soon realized that they were thinking along the same lines. One day they decided to see just how alike their ideas on color photography actually were. The boys sat down under neighboring trees and each wrote out in full his ideas for a better method of making color photographs. When they compared notes they found that their ideas on the



They studied the violin and piano by day . . .

subject were almost the same! The boys shook hands and agreed to work side by side until they had perfected a better method of color photography.

However, the Godowskys moved to California and for the time being their resolve to work "side by side" had to be forgotten. But this handicap was overcome by a cross-country correspondence in which they filled page after page with scientific notes on their continued experiments. Two years later when Leopold Mannes visited Godowsky in Hollywood, they had already worked out a practical method of taking color pictures that was easier than the old process. With great difficulty they persuaded their

FORTUNE



and spent long hours experimenting at night

parents to use some of the money intended for their musical education to build a special movie camera with twin lenses for taking movies in color. With this camera they photographed everything and everybody.

Full of enthusiasm, the boys returned to New York and tried to sell their new process. The most exciting day in their lives was when Hugo Reisenfeld, then director of the Rivoli and Rialto theatres, agreed to a demonstration in one of his theatres. Imagine their disappointment when Reisenfeld turned down their process after he discovered the extra amount of labor that was necessary to change the lenses on the projectors for color films.

Discouraged for a while, the boys gave up their interest in photography. They devoted themselves entirely to their music, in which they were now beginning to gain reputations.

But photography was too strong an interest to be put aside lightly! They threw away everything they had done up to that point and started out on an entirely different track. They thought that the answer perhaps lay in chemical dyes rather than in changing lenses. With what little money they could scrape together they rented a laboratory in the office of a New York doctor where they met at night, trying experiment after experiment. Time and again they were unsuccessful, but they stuck to it. Finally, they hit upon a chemical process that would produce automatic coloring at the time the film was developed.

Still one big problem remained — could they find a process that would be cheap enough to sell to the general public? After many unsuccessful attempts to get backing, they persuaded a group of New York bankers to put up money for their work for a few years.

With this help, Mannes and Godowsky rapidly approached the point where their results could be brought to public attention. That point came in 1931 when the Eastman Kodak Company of Rochester, New York, placed them on its staff and set them to work on color photography. For four years the two musician-scientists enjoyed the most ideal conditions under which they had ever experimented, and in April, 1935, Kodachrome was given to camera fans as a workable, practical method of color photography.

Today, when Mannes and Godowsky see their process used so widely, they must think of their own exciting story which brought them from fun in boyhood to fortune in manhood.

LAND WAR



MODERN MECHANIZED WARFARE HAS BEEN DEVELOPED BY THE GERMANS TO A POINT NEVER BEFORE SEEN OR IMAGINED IN THE HISTORY OF THE WORLD. WHOLE NATIONS HAVE BEEN OVERRUN AND CONQUERED IN THE SPACE OF A FEW DAYS. THE BASIS FOR THIS NEW TYPE OF WARFARE ORIGINATED DURING WORLD WAR NO. 1 IN A BRITISH INVENTION KNOWN AS THE TANK.



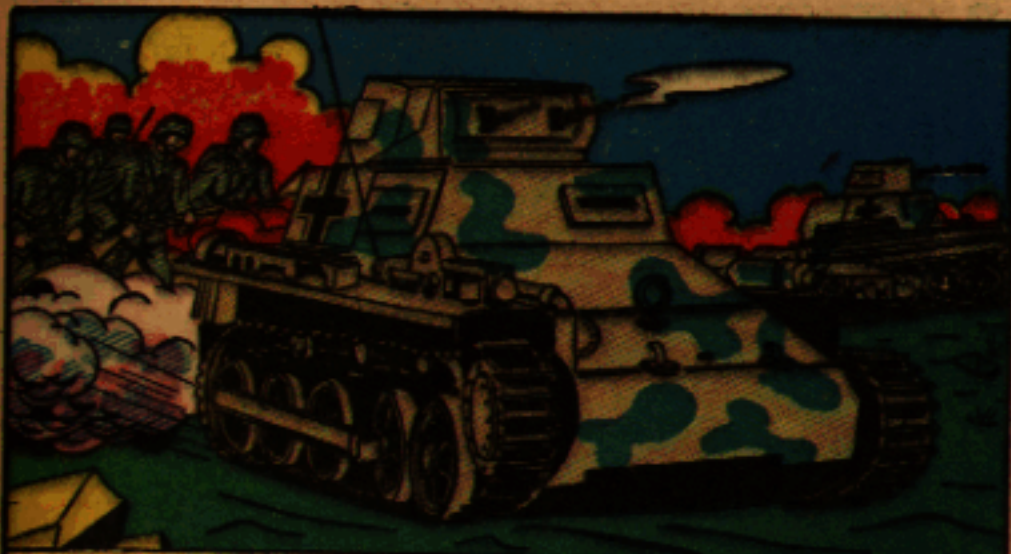
MACHINE GUNS PROTECTED BY BARBED WIRE HAD CAUSED SUCH AN ENORMOUS LOSS OF LIFE FOR ATTACKING INFANTRY THAT

I SHALL IMMEDIATELY SUBMIT THIS TO THE WAR COUNCIL.

ITS SUCCESS DEPENDS UPON OUR KEEPING IT SECRET UNTIL WE CAN STRIKE IN OVERWHELMING FORCE.



EARLY IN 1915 LT. COL. E. D. SWINTON, ROYAL ENGINEERS, SHOWED WINSTON CHURCHILL, WHO WAS ILL AT THE TIME, SECRET PLANS TO PRODUCE AN ARMORED MACHINE TO LEAD THE ATTACK. THIS WAS BORN THE TANK.



WHILE OTHER NATIONS EXPERIMENTED AT RANDOM WITH ARMORED MACHINES, GERMANY CONCENTRATED ON BUILDING TANKS IN GREAT NUMBERS. A NEW PLAN OF WARFARE WAS SECRETLY WORKED OUT.....THE BLITZKRIEG.



METHODS FOR GETTING OVER BARRIERS SUCH AS RIVERS, WERE WORKED OUT BY GERMAN ENGINEERS.



TO GIVE THE TANKS THEIR GREATEST EFFECT IN BATTLE, THEY ARE COMBINED WITH OTHER MACHINES INTO A NEW TYPE OF ARMORED FIGHTING UNIT..... THE PANZER DIVISION.



MOTORIZED HOWITZERS AND ARTILLERY, BLAST OUT ENEMY RESISTANCE AND SHELL PILL BOXES AND FORTIFIED LINES.



WELL FORWARD FROM THE GUNNERS LIES THE FORWARD OBSERVATION POST. THE CREW REPORTS BACK BY FIELD TELEPHONE JUST HOW ACCURATE THE GUN FIRE IS.



THE BATTERED FIELD HAVING BEEN SWEEPED CLEAN OF ALL BUT SMALL ENEMY GROUPS BY THE PANZER DIVISION, THE INFANTRY ADVANCES BEHIND A SMOKE SCREEN. TO MOP UP.



GENTLEMEN, WE ARE FACED WITH A NEW TYPE OF WARFARE.... THE BLITZKRIEG.

WE MUST PREPARE WHILE WE STILL HAVE TIME.

ON JULY 10 TH, 1940, TWO MONTHS AFTER HITLER'S PANZER DIVISIONS HAD STARTED THEIR CONQUEST. THE UNITED STATES WAR DEPARTMENT ORDERED THE SETTING UP OF AN ARMORED FORCE.



U.S. ARMY METHODS OF LIGHTNING ATTACK ARE BASED ON THOSE DEVELOPED IN EUROPE. THE ATTACK STARTS WITH A HEAVY BOMBARDMENT OF ARTILLERY. THE AIR FORCE JOINS, HEAVILY BOMBING.....



... PILL BOXES, AIRFIELDS, MILITARY BASES, RAILROADS ETC.



WHEN PILL BOXES ARE DESTROYED OR SILENCED, SMOKE SHELLS ARE USED TO COVER THE APPROACH OF TROOPS, TANKS, ETC.



AS THE ARTILLERY BARRAGE LIFTS, THE ENEMY IS AGAIN ATTACKED BY HEAVY BOMBERS. DIVE BOMBERS ATTACK WHERE RESISTANCE CONTINUES.



BY MEANS OF THE NEW H-10 FERRY, ARMORED DIVISIONS ARE CARRIED ACROSS RIVERS WHERE BRIDGES HAVE BEEN DESTROYED. PONTOONS ARE CARRIED OVERLAND BY TRUCKS AND PUT TOGETHER ON THE RIVER BANK.



THE BREAK THROUGH. ARTILLERY AND AIR BOMBARDMENT HAVING DEMORALIZED THE ENEMY, MEDIUM TANKS PLOW THROUGH MACHINE GUN NESTS AND ANTI-TANK BATTERIES. FINALLY, LIGHT TANKS AND SCOUT CARS MOP UP AS THE INFANTRY MOVES IN TO TAKE OVER.



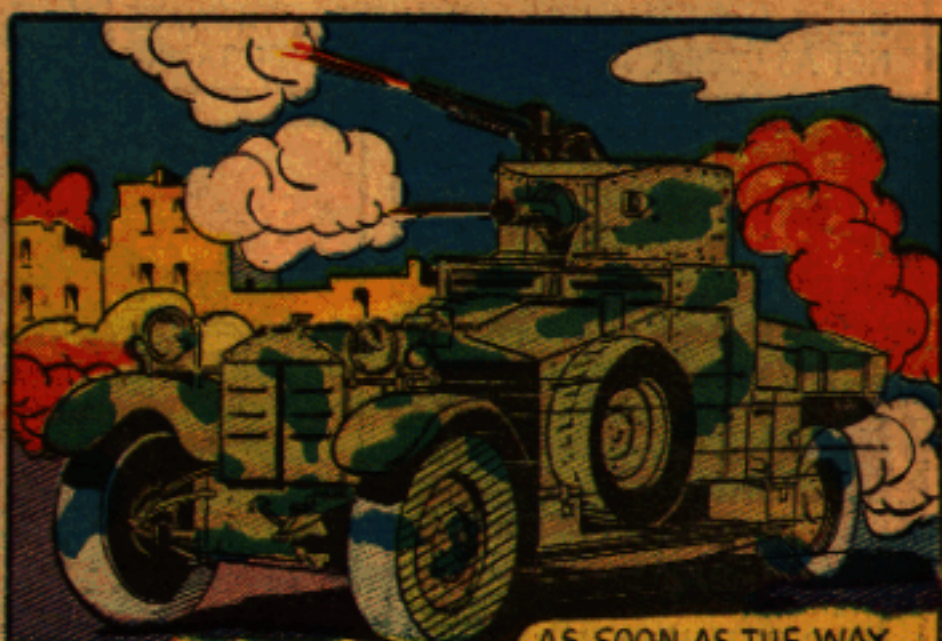
IN GREAT BRITAIN THE TANK IS THE CHIEF STRIKING WEAPON ABOUT WHICH THE ARMORED DIVISION IS BUILT. THE MOST COMMON SIZE OF THESE LAND BATTLESHIPS IS FROM 10-15 T, SPEED 10-15 MPH; THEY MOUNT 4 MACHINE GUNS AND FROM ONE TO TWO 40 MM CANNON.



THE FAST, MANOEUVRABLE BREN GUN CARRIERS ARE USED TO BREAK THROUGH CENTERS OF RESISTANCE.



CLOSELY COOPERATING WITH THE TANK IS THE FIELD ARTILLERY WHICH ARE RUBBER-TIRED FOR RAPID MOVEMENT. THE 75 MM HOWITZER IS THE FIELD PIECE USED TO BOMBARD THE ENEMY IN PREPARATION FOR A TANK ATTACK.



AS SOON AS THE WAY IS CLEARED BY THE TANKS, ARMORED CARS WITH MACHINE GUNS, FORMING PART OF THE LIGHT DIVISIONS, PURSUE AND STOP THE ENEMY'S RALLY.

SECTION-COMMANDER'S TANK
FITTED WITH WIRELESS
RECEIVING AND TRANS-
MITTING SET

COMPANY COMMANDER IN CONSTANT RADIO-
TELEPHONIC COMMUNICATION WITH HIS SECTION
COMMANDERS.

LEFT WING SECTION
COMMANDER'S
TANK

TANK MANOEUVRES ARE CONTROLLED BY RADIO-TELEPHONY. A COMPANY COMMANDER RIDING IN THE FORWARD TANK, BROADCASTS HIS ORDERS TO HIS SECTION COMMANDERS BY WIRELESS.

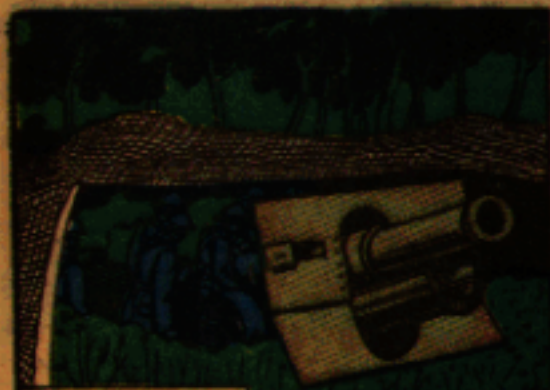




FRANCE PUT HER FAITH IN THE MAGINOT LINE AND DID NOT BUILD MANY TANKS, FAVORING DEFENSIVE WARFARE. SHE BUILT TANKS WEIGHING UP TO 98 TONS WITH CANNON OF EVEN 155 MM AND 8 MACHINE GUNS. BEING SLOW AND HEAVY HOWEVER, THEY ARE NOT AS USEFUL AS THE LIGHTER, FASTER TANK.



THEIR BATTERING POWER IS TREMENDOUS. THICK WALLS QUICKLY CRUMBLE BENEATH THEIR ASSAULT.



WHEN TANK ATTACKS BREAK THROUGH THE ENEMY'S DEFENSE LINES, THE FIELD ARTILLERY MUST BE RIGHT BEHIND, SUPPLYING FIRE WHERE NEEDED.



MEDIUM TANKS LIKE THIS FRENCH D TANK, BEGIN THE ATTACK. THEY DESTROY ANTI-TANK GUNS AND ENGAGE ENEMY TANKS, FOLLOWED BY SHOCK TANKS.



THE RENAULT TANK, WORLD WAR NO.1, HAS BEEN REPLACED BY A LIGHT TANK WITH A SPEED OF 15 M.P.H. AND A CRUISING RADIUS OF 80 MILES. IT HAS A CREW OF TWO AND ARMAMENTS OF ONE 3 MM GUN AND ONE MACHINE GUN.



FRENCH 155 MM GUN WHICH FIRES A 95 POUND SHELL TEN MILES.



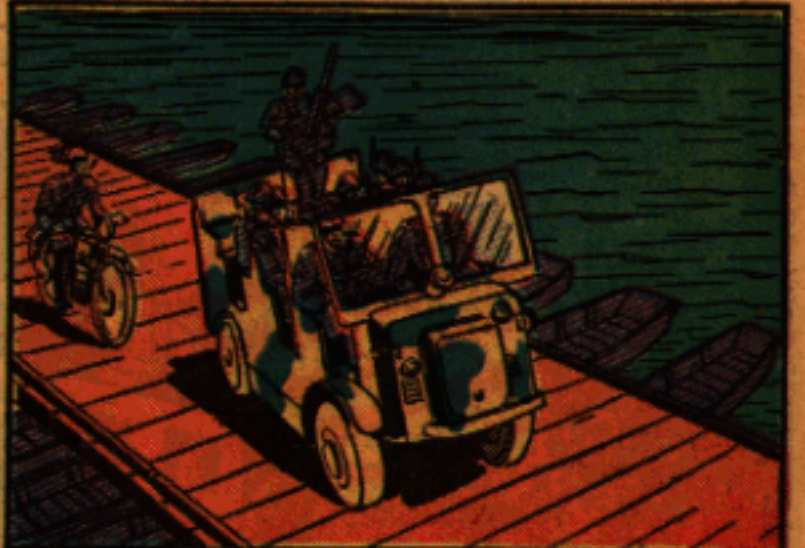
THE ITALIAN ARMY IS DIVIDED INTO THREE MAIN DIVISIONS; THE CELERE, LIGHT MECHANIZED DIVISIONS; THE CARRAZATA, HEAVILY ARMORED DIVISIONS; AND THE MOTORIZED FORMATIONS. SHOWN HERE IS THE NEW TYPE OF MEDIUM TANK FOR USE IN OPENING A WAY FOR THE LIGHT DIVISIONS.



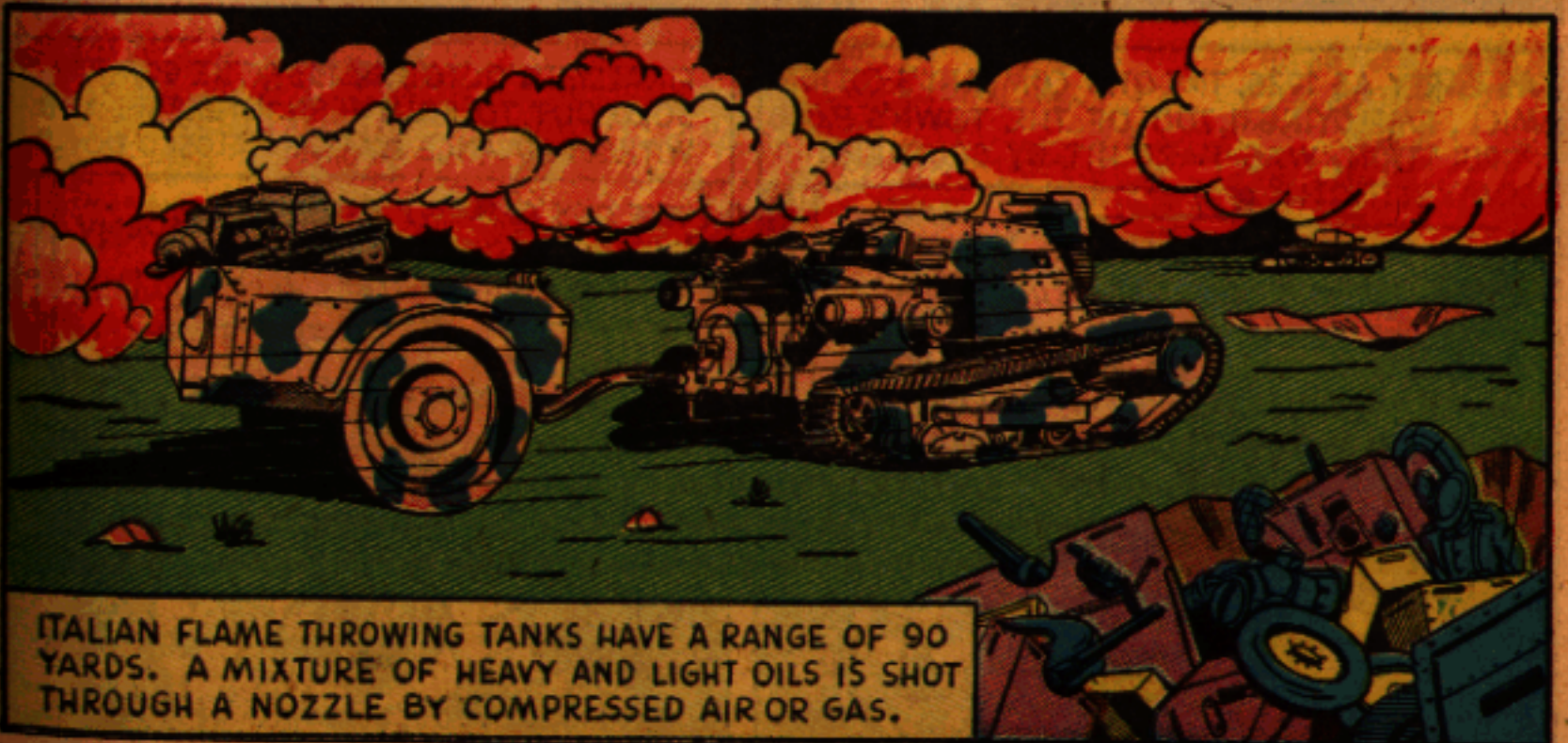
THE HEAVY ARMORED DIVISION HAVING BROKEN THROUGH, THE SMALL TANKS OF THE CELERE DIVISION, ARMED WITH 37 MM CANNON AND MACHINE GUNS, GOES INTO ACTION. THEY ARE FOR THE PURPOSE OF TURNING FLANKS.



ANOTHER PART OF THE ITALIAN LIGHT DIVISION IS THE ARMORED CAR. AT THE SAME TIME THE AIR FORCE SEEKS OUT AND ATTACKS ENEMY TROOPS ON THE ROAD. IT ALSO SUPPORTS THE INFANTRY DURING A BATTLE.

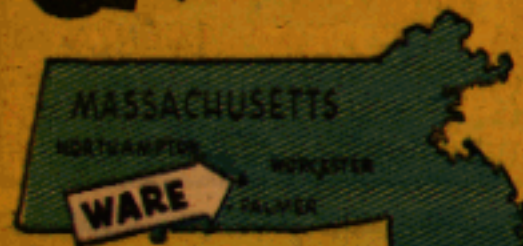


SMALL TRUCKS ARE USED AS TROOP CARRIERS AND ALSO FOR BRINGING UP SUPPLIES AND AMMUNITION. THEY ARE ARMED WITH ANTI-AIRCRAFT GUNS.



ITALIAN FLAME THROWING TANKS HAVE A RANGE OF 90 YARDS. A MIXTURE OF HEAVY AND LIGHT OILS IS SHOT THROUGH A NOZZLE BY COMPRESSED AIR OR GAS.

The TOWN THAT CAN'T BE LICKED



THE TOWN OF WARE, MASSACHUSETTS, TYPIFIES THE UNBEATABLE SPIRIT OF AMERICA. ITS ONLY FACTORY SHUT DOWN. MANY PEOPLE WERE THROWN OUT OF EMPLOYMENT. WARE REFUSED TO ADMIT IT WAS LICKED! HOW THE TOWN TACKLED ITS PROBLEMS AND SOLVED THEM FOLLOWS.

CLOSED



AS EARLY AS 1926, THE OTIS COMPANY'S COTTON MILL, EMPLOYING 1,700 OF THE TOWN'S 8,000 POPULATION, WAS HARD HIT BY SOUTHERN COMPETITION.



FINALLY, IN OCTOBER 1937, THE COMPANY SOLD OUT TO SOUTHERN INTERESTS AND WITHOUT ADVANCE WARNING, CLOSED DOWN.



THE TOWN REFUSED TO GIVE UP WITHOUT A STRUGGLE.

THE WHOLE TOWN DEPENDS UPON THIS FACTORY. IF IT CLOSES, WE'RE SUNK.

WE MUST DO SOMETHING ABOUT THIS.



MINOT C. WOOD, PRESIDENT OF THE WARE BANK, HURRIED TO NEW YORK TO TALK TO THE BUYERS OF THE COMPANY.

GENTLEMEN, WE ARE WILLING TO BUY THE FACTORY. WILL YOU SELL IT TO THE TOWN? YES--- FOR \$50,000.



WOOD HURRIED BACK TO WARE AND HAD THE POLICE FORCE PUT UP POSTERS.



AT THE MEETING, A PLAN WAS AGREED ON TO SAVE THE JOBS OF THE PEOPLE OF THE TOWN.

THE SOUTHERN BUYERS WILL SELL THE FACTORY FOR \$50,000. I SUGGEST THAT THE PEOPLE OF THIS TOWN SHOULD BUY SHARES IN A COMPANY WE SHALL FORM, TO BUY AND TO RUN THE FACTORY.

LET'S CALL THE COMPANY "WARE INDUSTRIES INC."



WE CAN RENT SPACE TO OTHER FIRMS IN TOWN.

LET'S GET OUTSIDE FIRMS TO SETTLE HERE!

LET'S FORM A COMMITTEE TO SELL SHARES.

MR. CHAIRMAN, I'LL BUY FIVE SHARES!



THE TOWN COUNCIL APPOINTED A COMMITTEE TO SELL SHARES. EVERYONE WAS EAGER TO BUY.

I WANT TO BUY SOME SHARES.

JOHN, YOU MAY NEVER GET YOUR MONEY BACK!

THAT'S ALL RIGHT WITH US.



THE CHIEF OF POLICE'S OFFICE WAS THE SALES CENTER. IMMEDIATELY OLD AND YOUNG Poured INTO THE OFFICE CARRYING MONEY IN THEIR HANDS.



AT THE END OF THE FIRST DAY.

\$20,000

IT DOESN'T SEEM POSSIBLE! MOST OF OUR SALES WERE IN BLOCKS OF 5 AND 10 SHARES AT \$5 A SHARE.



THE NEXT DAY PEOPLE WERE SITTING ON THE DOORSTEP WAITING FOR THE OFFICE TO OPEN.

THE SHARES WILL BE SOLD BEFORE WE KNOW IT.



OVER AND OVER AGAIN THE POLICE CHIEF PLEADED WITH SOME OLD PERSON NOT TO RISK HIS MONEY.

JIM, YOU'VE SAVED THAT MONEY FROM YOUR SMALL WAGES IN THE MILL. YOU NEED IT. DON'T GAMBLE!

THIS TOWN MEANS MORE TO ME THAN MY SAVINGS!



18 DAYS LATER

GENTLEMEN, WE HAVE RAISED THE MONEY NEEDED TO BUY BACK THE FACTORY.

I HAVE FAITH IN THIS TOWN. I KNOW THAT WE ARE GOING TO MAKE A GO OF IT.

THE ALMIGHTY HAS BEEN GOOD TO US.



THE COTTON MILL WAS OPENED AGAIN.



17 NEW COMPANIES MOVED INTO THE BUILDING. A HAT FIRM---



A SHOE CONCERN---



A DRESS SHOP----



A METAL WOODWORKING SHOP---



WOOLEN TEXTILE TRADES----



THE TOWN WAS PROUD OF ITS EFFORTS. IT PUT UP A SIGN AT EACH MAIN HIGHWAY READING-----



WARE

"THE TOWN THAT CAN'T BE LICKED"

ROUTE

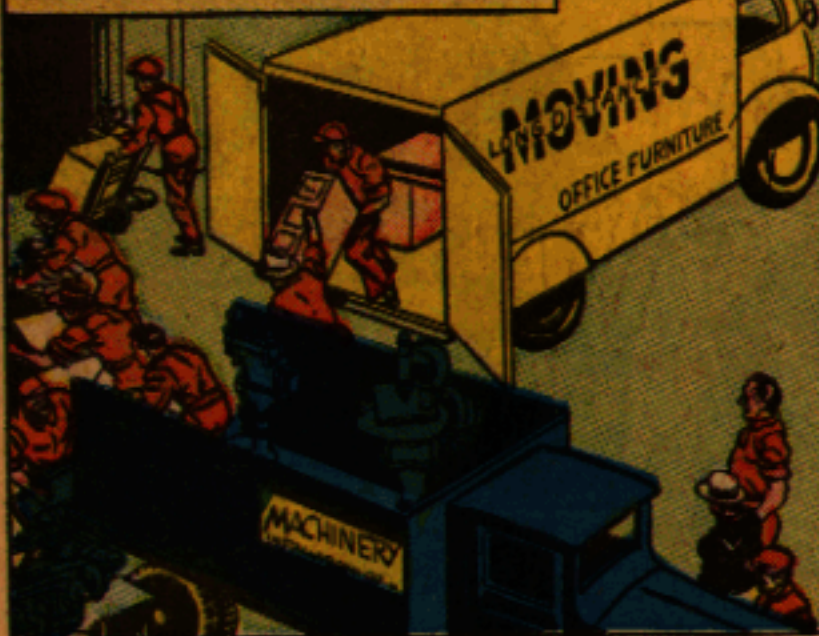
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28 MONTHS AFTER THE NEW COMPANY HAD BEEN FORMED, THE WORKMEN, MERCHANTS AND HOUSEWIVES OF WARE MET TO TALK OVER THEIR ACHIEVEMENTS.

IN MID FEBRUARY OF 1940, WARE INDUSTRIES, INC. AGAIN REPORTED TO ITS STOCKHOLDERS.



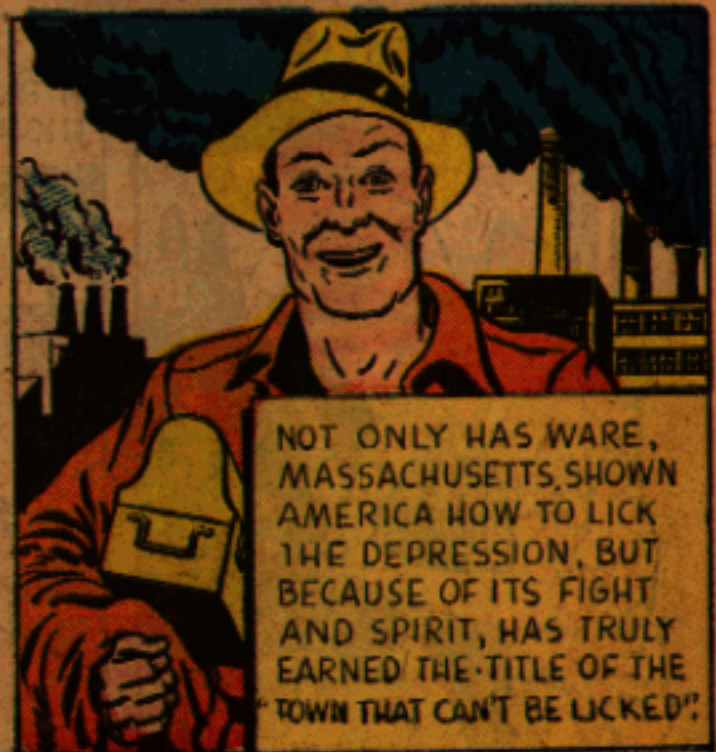
SINCE THEN 4 NEW INDUSTRIES HAVE LOCATED IN THE TOWN.



THE TOWN PUT ON A PAGEANT TO CELEBRATE ITS ACCOMPLISHMENTS.



IN MARCH 1941 THE COMPANY REPORTED:



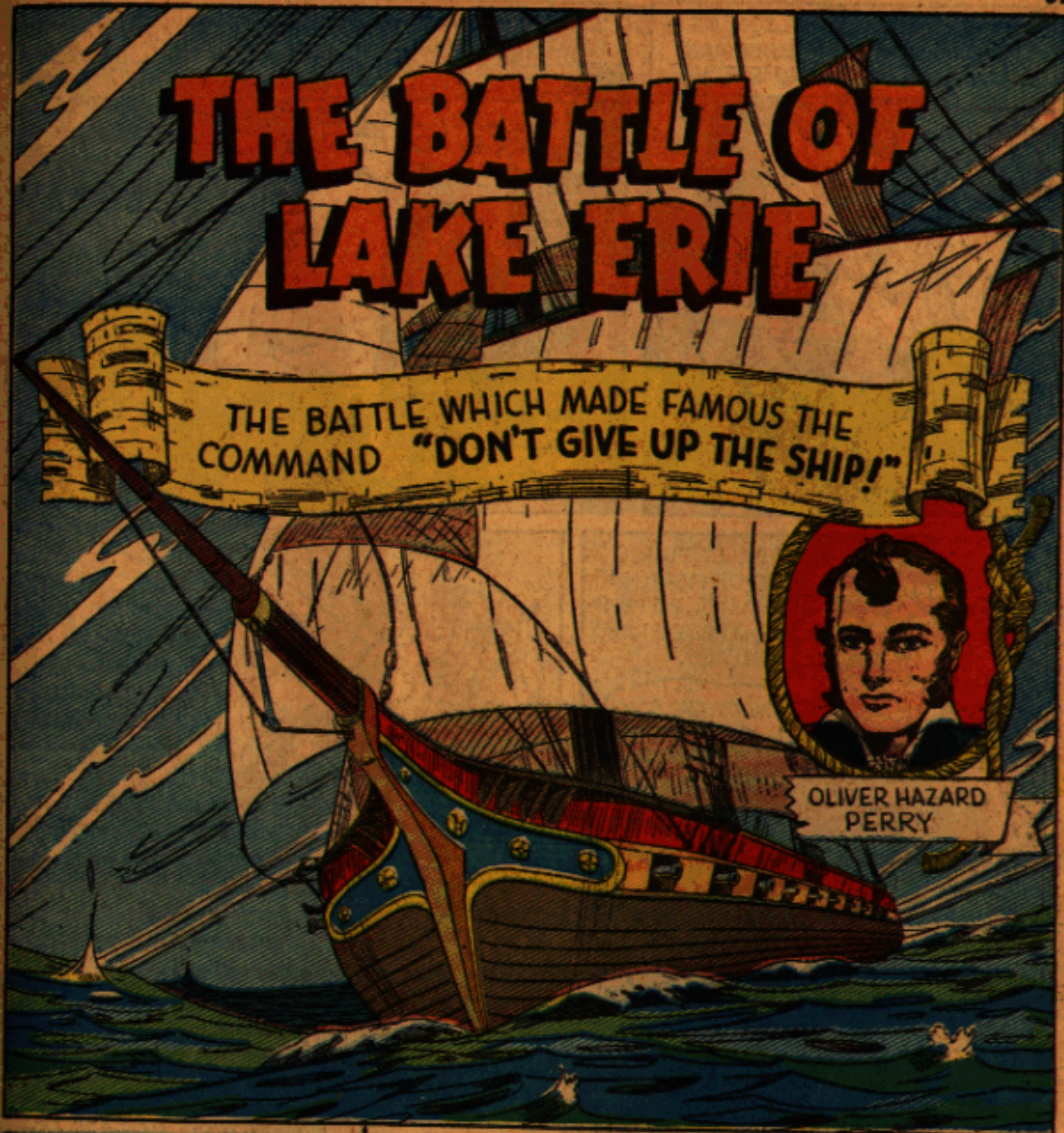
NOT ONLY HAS WARE, MASSACHUSETTS, SHOWN AMERICA HOW TO LICK THE DEPRESSION, BUT BECAUSE OF ITS FIGHT AND SPIRIT, HAS TRULY EARNED THE TITLE OF THE TOWN THAT CAN'T BE LICKED!

THE BATTLE OF LAKE ERIE

THE BATTLE WHICH MADE FAMOUS THE COMMAND "DON'T GIVE UP THE SHIP!"



OLIVER HAZARD PERRY



FROM CHILDHOOD PERRY HAD A DEEP LOVE OF THE SEA.

SOMEDAY I'M GOING TO HAVE MY OWN SHIP!



AT THE AGE OF 14 HE BECAME A MIDSHIPMAN ON A U.S. WARSHIP COMMANDED BY HIS FATHER.

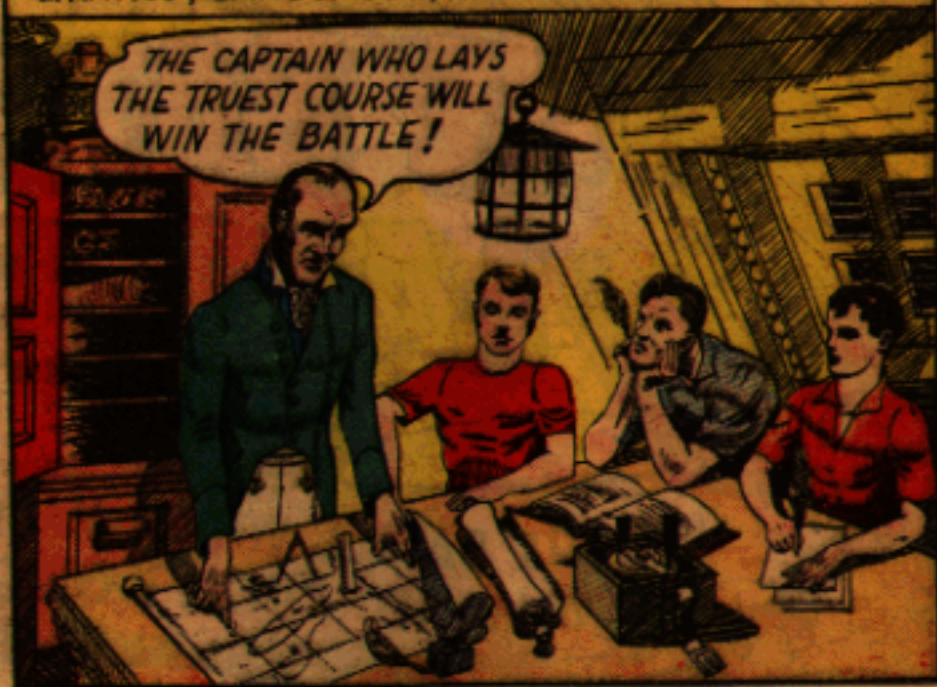
CONVOY DUTY IS EASY BUT IT IS SLOW WORK.



ALTHOUGH HE WAS THE SON OF THE COMMANDER, MIDSHIPMAN PERRY WAS SHOWN NO SPECIAL FAVORS.



WITH THE OTHER MIDSHIPMEN HE STUDIED MATHEMATICS, LANGUAGES, AND NAVIGATION.



PERRY RECEIVED HIS FIRST TASTE OF FIGHTING WHEN HE WAS 15. HE HELPED PUT DOWN A REBELLION IN THE WEST INDIES.



TWO YEARS LATER HE BECAME A LIEUTENANT. HE WAS SENT TO THE FLEET PROTECTING AMERICAN SHIPS FROM PIRATES IN THE MEDITERRANEAN SEA, OFF THE COAST OF AFRICA.

HE PROVED TO BE SO SPLENDID A SEAMAN AND OFFICER THAT AT 19 HE WAS GIVEN COMMAND OF HIS OWN SHIP.



IN 1806 WHEN THE WAR WITH THE PIRATES WAS OVER HE RETURNED TO THE U.S.

AT THIS TIME, BRITISH SHIPS WERE STOPPING AMERICAN SHIPS, SEARCHING THEM AND CARRYING OFF THE AMERICAN SEAMEN.

I PROTEST YOUR ACTION SIR. THESE MEN ARE AMERICAN SEAMEN.

THESE MEN ARE DESERTERS FROM HIS MAJESTY'S NAVY. THEY ARE UNDER ARREST!



THE UNITED STATES TRIED TO STOP THE BRITISH BY ORDERING ALL AMERICAN VESSELS TO REMAIN AT HOME.

IF THIS LAW ISN'T WITHDRAWN SOON, WE'RE ALL GOING TO BE RUINED.



LIEUTENANT PERRY WAS ORDERED TO BUILD A FLEET OF GUNBOATS AND TO ENFORCE THE LAW ON LONG ISLAND SOUND.

HARD TO STARBOARD, CAN'T LET THAT CRAFT SLIP OUT TO SEA.



DURING THE HEIGHT OF A STORM HIS SHIP WAS DASHED ON THE ROCKS. LIEUTENANT PERRY ACTED SO BRAVELY AND SKILLFULLY THAT EVERY MAN ON BOARD WAS SAVED AND ALL HIS SUPPLIES AND CANNON WERE TAKEN OFF.



FOR HIS GALLANT CONDUCT HE WAS GRANTED A YEAR'S LEAVE OF ABSENCE.

WHEN IN 1812 THE UNITED STATES DECLARED WAR ON GREAT BRITAIN, PERRY ASKED FOR PERMISSION TO JOIN THE ARMY ON THE GREAT LAKES.

THIS IS THE ONLY WAY TO WIN PROMOTION.



HE WAS ORDERED TO LEAVE FOR LAKE ONTARIO. AT ONCE HIS OFFICERS AND MEN VOLUNTEERED TO GO WITH HIM.

I WANT TO GO TOO—LIEUTENANT!

ME TOO!

VERY WELL MEN, BUT IT IS GOING TO BE A LONG, HARD MARCH THROUGH THE FOREST.

SURE! WE ALL WANT TO GO!



LIEUTENANT PERRY AND HIS MEN START OUT ON THE LONG MARCH THROUGH THE FORESTS.



'MORNING LIEUTENANT, GOT YOUR LAND-LEGS YET?'

THEY REACHED LAKE ONTARIO IN MARCH, THERE PERRY WAS MADE COMMANDER AND SENT TO BUILD A FLEET ON THE SHORES OF LAKE ERIE.



YOU WILL PREPARE FOR AN ATTACK ON THE BRITISH FLEET, COMMANDER.

VERY GOOD, SIR

COMMANDER PERRY SET OUT OVER THE FROZEN LAKE FOR THE HARBOR OF ERIE.



GIDDAP BUTTERCUP! C'MON JOE!

PERRY FOUND THE TOWN UNPREPARED FOR AN ATTACK.



BEFORE NIGHT, HE BROUGHT ABOUT ORDER AND DISCIPLINE. HE ORGANIZED A GUARD AND SET UP A MILITARY OUTPOST.

BUILDING A FLEET IN THE WILDERNESS WAS A BIG JOB! THE TIMBERS FOR THE SHIPS HAD TO BE CUT FROM THE FORESTS.



SUPPLIES AND SKILLED MEN HAD TO BE BROUGHT OVER 500 MILES.



THE WORK PROCEEDED RAPIDLY HOWEVER, AND IN 4 MONTHS, A FLEET OF NINE VESSELS WAS READY FOR THE WATER.



JULY 10, 1813

PERRY NOW HAD HIS SHIPS BUT NOT ENOUGH MEN TO MAN EVEN ONE VESSEL. HE NEEDED CANNON FOR HIS FLEET SO HE WROTE TO THE HEADS OF THE UNITED STATES ARMY AND NAVY.

Give me men and I will acquire honor and glory on this lake or die in the attempt. Think of my situation: The enemy within striking distance, my vessel ready, and I obliged to bite my fingers with vexation, for want of men.

100 OF HIS MEN WERE UNABLE TO TAKE PART IN THE BATTLE THAT FOLLOWED.

Finally
COMMANDER PERRY HAD HIS VESSELS FULLY MANNED. BUT IMAGINE HIS DISAPPOINTMENT WHEN FEVER BROKE OUT AMONG THE CREWS.



COMMANDER PERRY ALSO BECAME SICK BUT REFUSED TO LEAVE HIS SHIPS.

I MUST GET UP. I'VE WAITED TOO LONG FOR THIS CHANCE TO GIVE UP NOW!



COMMANDER PERRY'S FLAGSHIP WAS CALLED "THE LAWRENCE," NAMED AFTER THE FAMOUS AMERICAN COMMANDER WHO HAD JUST DIED AND WHOSE LAST COMMAND WAS, "DON'T GIVE UP THE SHIP!" PERRY HAD EIGHT OTHER SHIPS, ALL POORLY ARMED.

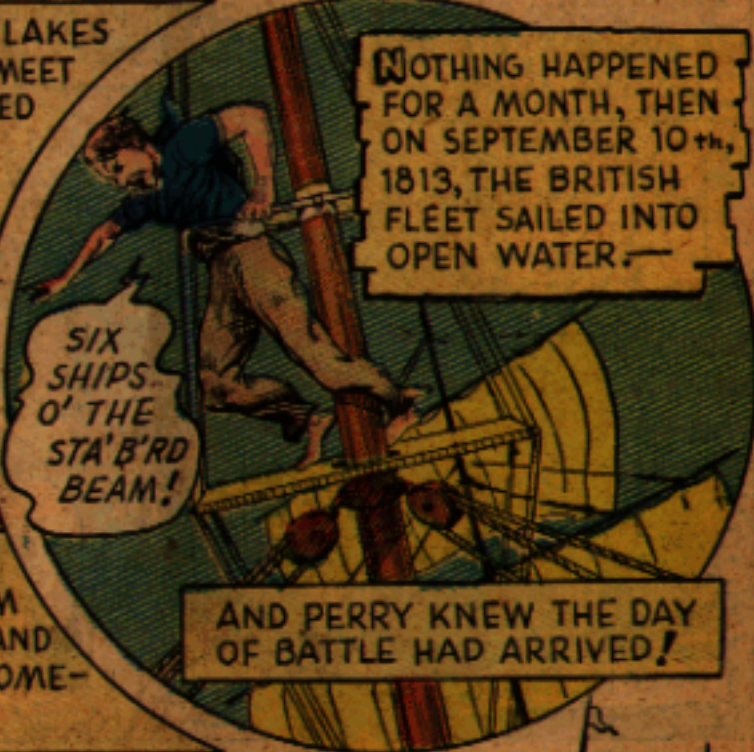


THE BRITISH HAD SIX SHIPS, ALL LARGER AND CARRYING MORE GUNS. THEY WERE COMMANDED BY SOME OF THE FINEST CAPTAINS IN THE BRITISH FLEET.

COMMANDER PERRY BLOCKADED THE GREAT LAKES AND TRIED TO FORCE THE BRITISH FLEET TO MEET HIM IN OPEN WATER, BUT THE BRITISH REFUSED TO BUDGE UNTIL—



WHAT BEANS AGAIN?



NOTHING HAPPENED FOR A MONTH, THEN ON SEPTEMBER 10th, 1813, THE BRITISH FLEET SAILED INTO OPEN WATER.—

SIX SHIPS O' THE STA'B'RD BEAM!

AND PERRY KNEW THE DAY OF BATTLE HAD ARRIVED!

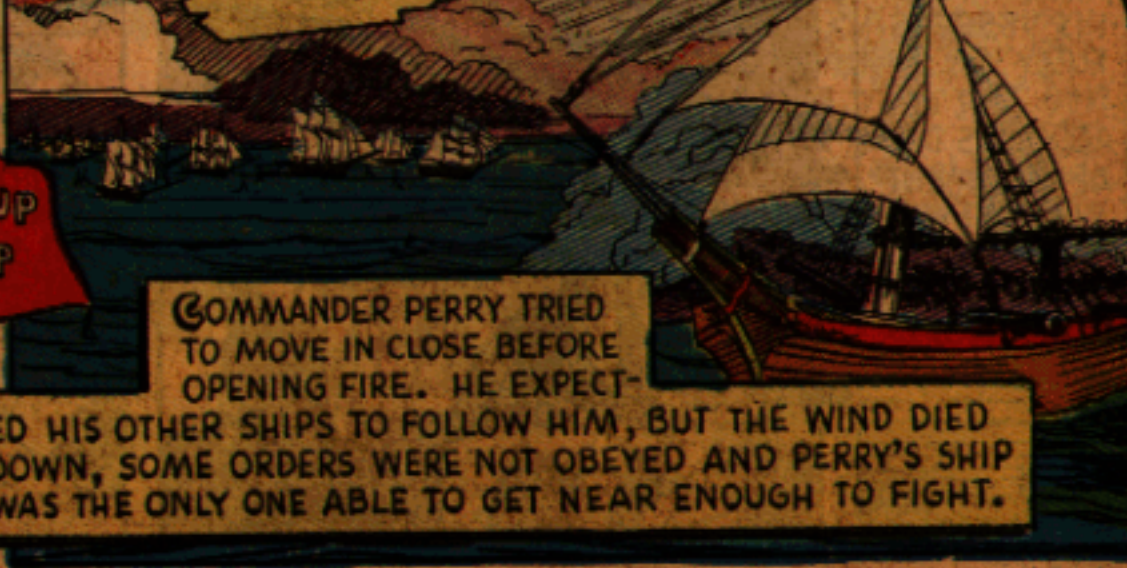
THE BRITISH ARMY, USED TO EATING THE FINEST OF FOODS, BEGAN TO SUFFER FROM THE AMERICAN BLOCKADE OF THE LAKES AND DEMANDED THAT THE BRITISH FLEET DO SOMETHING ABOUT IT.

PREPARING FOR BATTLE, HE UNFURLED A FLAG BEARING COMMANDER LAWRENCE'S FAMOUS COMMAND.



DON'T GIVE UP THE SHIP

BOTH SIDES BEGAN TO MANOEUVRE FOR POSITION. WHEN THE BRITISH SHIPS WERE STILL A MILE AWAY, THEIR MORE POWERFUL GUNS OPENED FIRE!



COMMANDER PERRY TRIED TO MOVE IN CLOSE BEFORE OPENING FIRE. HE EXPECTED HIS OTHER SHIPS TO FOLLOW HIM, BUT THE WIND DIED DOWN, SOME ORDERS WERE NOT OBEYED AND PERRY'S SHIP WAS THE ONLY ONE ABLE TO GET NEAR ENOUGH TO FIGHT.

FOR TWO HOURS THE WHOLE BRITISH FLEET POUNDED AWAY AT HIS SHIP. ONE BY ONE HIS GUNS WERE SILENCED. THERE WERE NO MEN LEFT TO FIRE THEM. AT THE END, COMMANDER PERRY WAS HELPING —

TO LOAD AND FIRE THEM, UNTIL ALL WERE PUT OUT OF ACTION.

HIS SHIP WAS HAMMERED TO PIECES. PERRY ESCAPED DEATH TWICE BY A MIRACLE. TWO MUSKET BALLS WENT THROUGH HIS HAT!

ALTHOUGH ATTACKED ON ALL SIDES, HE WOULD NOT SURRENDER.

THE WIND NOW CAME UP AGAIN AND PERRY'S OTHER SHIPS SET SAIL FOR THE ENEMY. PERRY LOWERED A SMALL BOAT AND BOARDED THE NEAREST AMERICAN WARSHIP. HE LEFT FLYING ON HIS DISABLED VESSEL THE FLAG READING, "DON'T GIVE UP THE SHIP!"

SIR, PLEASE GET DOWN!

WHEN THE BRITISH SAW THIS, THEY RAINED FIRE AT THE SMALL BOAT. PERRY, STANDING ERECT, IGNORED THE BULLETS, BUT WAS PULLED DOWN BY HIS MEN.

ONCE ABOARD THE OTHER WARSHIP, PERRY AND HIS FLEET MADE FOR THE BRITISH.

ANOTHER BROADSIDE LADS!

VERY SOON THE BRITISH FLAGSHIP FELL, AND ONE BRITISH SHIP AFTER ANOTHER CEASED FIRING.

THE ENGLISH HAD SURRENDERED. PERRY WAS VICTORIOUS!

BUT PERRY WOULD ACCEPT THEIR SURRENDER ONLY FROM THE DECK OF HIS FLAGSHIP, THE LAWRENCE. STANDING NEAR THE WHEEL WITH ARMS FOLDED AND FACE SET, PERRY RECEIVED ALL BRITISH OFFICERS AS THEY APPROACHED AND OFFERED THEIR SWORDS IN SURRENDER.

TO EACH PERRY SAID CALMLY,

I REQUEST THAT YOU KEEP YOUR SWORD, SIR; IT HAS BEEN BRAVELY USED.



THEN LAYING ASIDE ALL ANIMOSITY, THE MEN OF THE TWO FLEETS, BRITISH AND AMERICAN, TOGETHER BURIED THEIR DEAD.



WHERE THE BATTLE OF LAKE ERIE WAS FOUGHT

WHERE COMMODORE PERRY BLOCKADED LAKE ERIE



PERRY'S VICTORY NOT ONLY WON THE GREAT LAKES FOR THE AMERICANS, BUT HIS VICTORY MARKED THE BEGINNING OF THE END OF THE WAR OF 1812. HE MADE IT POSSIBLE FOR THE AMERICAN ARMY TO CROSS THE LAKES AND TO DEFEAT THE MAIN BODY OF THE BRITISH ARMY, AND THUS TO FREE THE WHOLE REGION FROM ANY FURTHER THREAT FROM THE ENEMY.

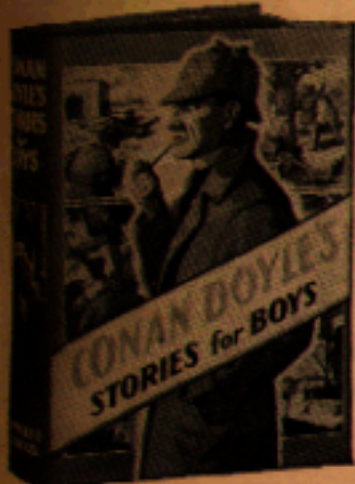
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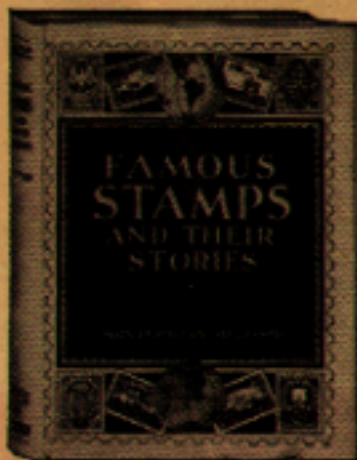
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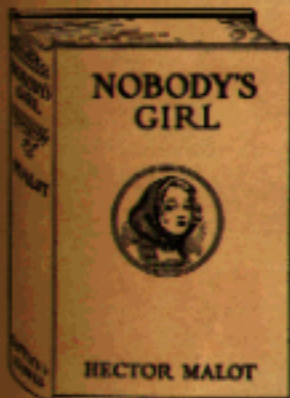
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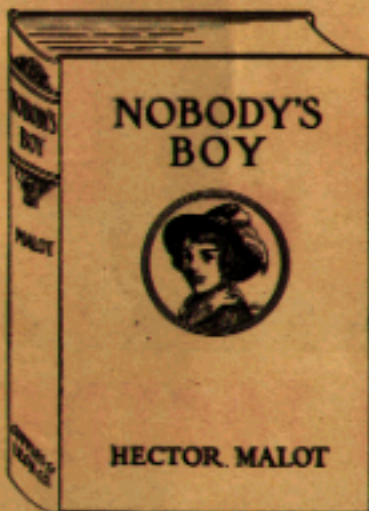
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