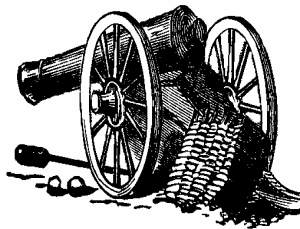


MARCH 2009

EDITION ONE HUNDRED & FOURTEEN

SCOTTSDALE CIVIL WAR ROUND TABLE, INC

A NON-PROFIT CORPORATION



# THE GRAPESHOT

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WEBSITE: scottsdalecwrt.vze.com

.Meets @ Civic Center Library

.3839 N Drinkwater Blvd Scottsdale

.on the 3rd Tuesday of the month

6:45 PM—8:45 PM

.September thru May

.\$35 Annual Dues (Due every Sept)

.\$45 Annual Dues for families

.Everyone Welcome



## DAVE HINZE

-presents-

### *Artillery Hell: A Study of Artillery at the Battle of Antietam*

March 17, 2009

6:45 PM Civic Center Library

The combat description of the day long struggle along the banks of Antietam Creek is chiefly described as a series on infantry attacks, countered by another wave of foot soldiers washing over the previous charge. This presentation will examine the impact of artillery by the North & South at this battlefield. Often overlooked, artillery organization, tactics and technology were undergoing rapid changes in the weeks prior to the September battle. This presentation discusses the challenges of using the new technology appropriately, how Antietam became the "bloodiest single day" because of the "long arm" of the military and how this campaign was a precursor for the fighting of 1863.

Our presenter, Dave Hinze is a professional speaker, writer and tour guide focusing on American History. He is the owner of Stars & Stripes Events LLC., a tour company focusing on events from the French & Indian War through the American Civil War. Hinze is the co-author of *The Battle of Carthage, July 5, 1861* and numerous articles on early American History. A retired teacher, Dave lives in Rolla, Missouri and operates Brandywine Farms, the family blueberry farm.

## UPCOMING ROUND TABLES

April 21st....

**Gail Stephens**

*The Shadow of Shiloh:  
General Lew Wallace and  
The Civil War*

May 19th....

**Richard McMurry**

*The General In the Jar:  
Joseph E. Johnston In  
Defense of Atlanta*

FROM WES' DEN.....Our programs are bringing in new members (almost



200 belong now) and greater attendance (140 at Feb meeting). As an added benefit we received \$127 donations at our book table. Over 50 members receive the GRAPESHOT by E-Mail and this saves 60 cents per person. Let the editor know if E-Mail is fine with you. The officers and board thank you for your support. And remember the Spotsylvania CD continues at 6:15 pm courtesy of Don Swanson. If you want a sheet of the new Lincoln stamps, better get to your post office right away, as they are in short supply.

I remain your most obedient servant....*Wes Schmidt*

## BATTLEFIELD MEDICINE

by  
**Dr. John Bamberl**  
(SCWRT Member)

THE CIVIL WAR WAS THE BLOODIEST WAR IN AMERICAN HISTORY. THE MEDICAL CORP WAS NOT PREPARED FOR THE EXTENT AND COMPLEXITY OF THE WAR. THE TIME AT WHICH IT HAPPENED WAS BOUND TO CREATE A MEDICAL NIGHTMARE. SURGERY AND MEDICINE HAD NOT ADVANCED MUCH SINCE THE CENTURY BEFORE. COUNTRY DOCTORS WERE NOT WELL TRAINED. MOST HAD NEVER DONE SURGERY. THERE WAS NO AMBULANCE SERVICE. SURGEONS FOUND THEMSELVES IN A MEDICAL STATE OF DISASTER. MOST OF THE SURGEONS WERE FROM SMALL HOMETOWNS. THEY WERE SEEING TYPES OF WOUNDS THEY HAD NEVER EXPERIENCED BEFORE. WARFARE AND MEDICAL TECHNOLOGY CAME TOGETHER AT EXACTLY THE WRONG TIME.

THE .58 CALIBER MINIE BALL MAIMED AND CAUSED SEVERE INJURY AND SHATTERED BONES. INTERNAL WOUNDS WERE BEYOND THE CAPABILITIES OF THE SURGEONS AND MEN WITH ABDOMINAL WOUNDS WERE ALLOWED TO DIE. ARMS AND LEGS HAD TO BE AMPUTATED. THERE WASN'T ANY KNOWLEDGE OF BONE RECONSTRUCTION. THREE OUT OF FOUR OPERATIONS WERE AMPUTATIONS. IT WAS A LIFE SAVING PROCEDURE. IT IS AMAZING THAT SO MANY MEN SURVIVED. WE MUST REMEMBER THERE WEREN'T ANY ANTIBIOTICS, IVS, BLOOD TRANSFUSIONS OR ANY WAY TO MONITOR VITAL SIGNS. TRIAGE SYSTEMS AND AMBULANCE SERVICES WERE NOT SET UP UNTIL LATE IN THE WAR. STERILITY WAS NOT KNOWN BECAUSE GERMS HAD NOT BEEN DISCOVERED YET.

BESIDES NOT KNOWING ABOUT STERILITY THEY HAD NO CONCEPT OF SANITATION. THEY HADN'T ANY KNOWLEDGE OF WATER PURIFICATION. THEY DID NOT KNOW THAT DIRT SPREAD INFECTION. THEY DID NOT KNOW THAT MISQUITOES CARRIED MALARIA AND YELLOW FEVER. THE OTHER PROBLEM WAS THAT MOST OF THE SOLDIERS WERE FROM RURAL AREAS. MOST HAD NEVER BEEN EXPOSED TO COMMON CHILDHOOD DISEASES AND THEREFORE DID NOT HAVE NATURAL IMMUNITY TO DISEASE. THEREFORE SIMPLE CHILDHOOD DISEASES SUCH AS MUMPS, MEASLES AND WHOOPING COUGH COULD RUN RAMPANT. MEASLES ALONE KILLED 100,000 MEN.

DOCTORS KNEW THERE WAS A NEED TO IMPROVE SKILLS. THERE WAS ONLY ONE SURGEON FOR A REGIMENT OF 1000 MEN. THE DOCTORS OFTEN WORKED 72 HOURS WITHOUT SLEEP. THIS WAS THE FIRST TIME MEDICAL RECORDS WERE KEPT. CASE STUDIES WITH PICTURES WERE SHARED FOR THE FIRST TIME. HOSPITALS WERE DESIGNED. ALTHOUGH THEY DID NOT UNDERSTAND GERMS, THEY DID REALIZE THAT IF SIMILAR DISEASES WERE



SEPARATED INTO THEIR OWN WARDS, THE PATIENTS DID BETTER. THEY DID UNDERSTAND THAT OPEN AIR AND GOOD NUTRITION HELPED IN THE HEALING PROCESS. THE UNITED STATES SANITARY COMMISSION EVENTUALLY BECAME THE RED CROSS. FEMALE NURSES WERE APPRECIATED FOR THE FIRST TIME. THE FIELD OF ANESTHESIA WAS ADVANCED.

MEDICAL CARE EVOLVED DURING THE WAR AS SURGEONS LEARNED FROM EXPERIENCE, GOING THROUGH AT LEAST TWO PHASES. FIRST WAS THE UNPREPARED PHASE, WHEN THE UNION MEDICAL DEPARTMENT'S FOSSILIZED ADMINISTRATION WAS UNABLE TO ADAPT TO THE DEMANDS OF A RAPIDLY CREATED ARMY. EVERYONE EXPECTED A SHORT BLOODLESS WAR. PHYSICIANS OF VARYING QUALITY AND EXPERIENCE WERE THRUST INTO CARING FOR AN UNANTICIPATED NUMBER OF DISEASED AND WOUNDED SOLDIERS.

THE SECOND PHASE OCCURRED AFTER MANY COMMANDERS IMPLEMENTED SANITARY MEASURES AND MOST SOLDIERS WERE VETERANS, AND IMMUNE TO MANY OF THE WORST DISEASES. BY THIS TIME, ILLNESS DUE TO CONTAGIOUS DISEASE, HAD BECOME LESS COMMON AND INNOVATIVE SYSTEMS WERE DEVELOPED TO CARE FOR THE WOUNDED. ONCE THE SURGEONS ACQUIRED EXPERIENCE, THEY EXERCISED BETTER JUDGEMENT AND TESTED NEW SURGICAL PROCEDURES TO SAVE LIVES. DURING THIS PHASE THEY ALSO IMPLEMENTED EVACUATION SYSTEMS TO MORE QUICKLY MOVE ILL AND INJURED SOLDIERS TO BETTER STAFFED AND EQUIPPED HOSPITALS.

THE CIVIL WAR SURGEON SERVED FAITHFULLY AS GREAT A CAUSE AS EARTH HAD EVER KNOWN. THEY BUILT NOVEL HOSPITALS, ORGANIZED AN AMBULANCE SERVICE AS HAD NEVER BEFORE BEEN SEEN, CONTRIBUTED NUMEROUS ESSAYS ON DISEASE AND WOUNDS AND PASSED THIS INTO THE PRIVATE SECTOR. AFTER ALL THE SACRIFICES THEY MADE, THERE IS STILL NOT ONE STATUE COMMEMORATING THE CIVIL WAR SURGEON.