

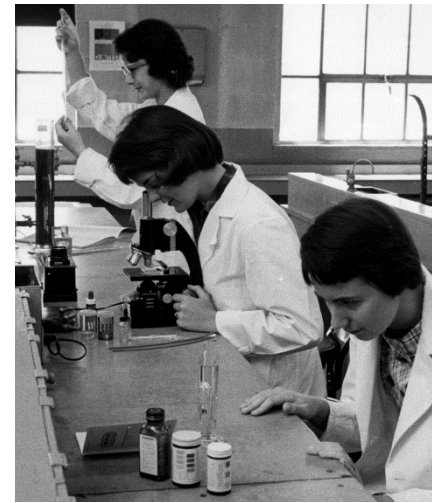
CELEBRATING



75th ANNIVERSARY
Marquette University
Clinical Laboratory Science
1938–2013

HISTORY

- ▶ 1917 – non-credit courses offered to women “lab girls” by School of Medicine directed by Dr. Bernard McGrath
- ▶ 1925 – School of Hospital Administration was organized; medical technology was an elective program conducted at the Medical School and Trinity Hospital
- ▶ 1928 –
 - School of Hospital Administration closed
 - ASCP Board of Registry for Medical Technologists formed (2 years of college + 1 year internship) for certification eligibility
 - Dr. John Grill, Dept. of Pathology, directed the program; clinical work at St. Joseph’s Hospital and Milwaukee County Hospital; no degree granted



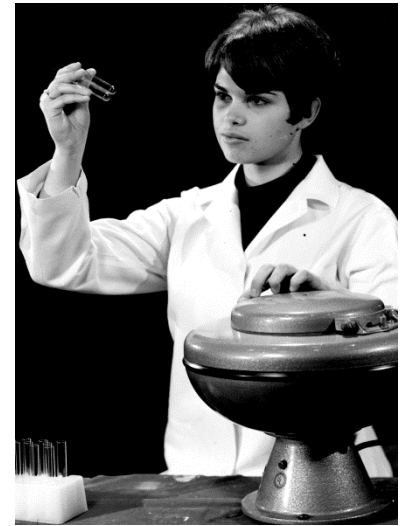


- ▶ 1938 – four-year program officially placed in the College of Nursing; still directed by Dr. Grill
- ▶ 1939 – first B.S. degree granted
- ▶ 1945
 - Dr. W.A.D. Anderson, chair of the Dept. of Pathology directed the program; appointed Dr. S.B. Pessin as the program coordinator in 1949 and officially placed the program under the jurisdiction of the medical school





- ▶ 1950 – Dr. John Hirschboeck, dean of the Medical School, returned the program to the College of Nursing
- ▶ 1954 – program returned to the Dept. of Pathology in the Medical School; Miss Marianne V. Schaff appointed program director



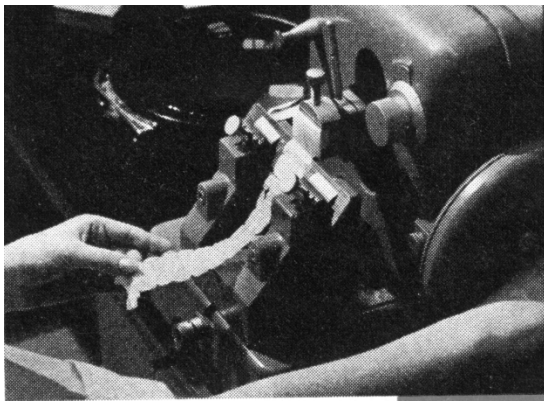
1954–1957

- ▶ “Mambo, Microbiology and Marianne”
- ▶ Background:
 - Parasitology research in Columbia
 - Director of MT training school in MN
- ▶ Enrollment was 113
- ▶ Stavri Joseph, first male graduate–1956



- 5 more ♂ by 1968
- ~ a third of majors today





- ▶ Certificate program in histology introduced in 1954; yearlong training course with no academic credit given; four students per year; preclinical courses taught in the Department of Pathology and clinical coursework at Milwaukee County and the Veterans Administration Hospital
- ▶ Miss Schaff resigned to join the Catholic Mission Sisters; Miss Eileen Esser served as acting director for 1957–58 academic year

1958–1996

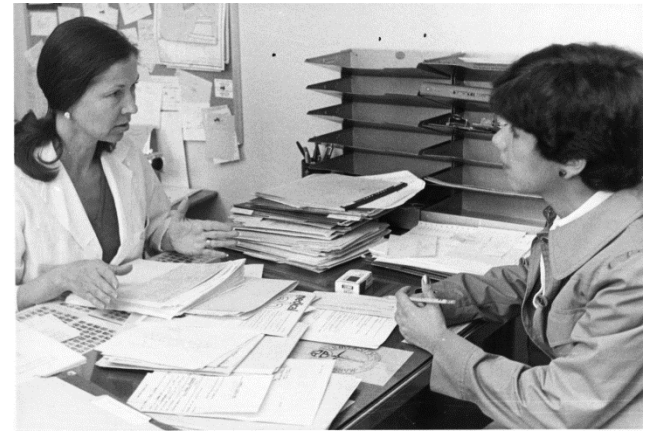
- ▶ Alice Semrad named program director
- ▶ Enrollments reached all-time highs
- ▶ New courses added to the curriculum
- ▶ Implementation of a medical technology program at UWM in 1963
- ▶ Faculty participated in a Peace Corps training program for Brazil
 - Pilot course in summer 1964
 - Complete training program (hematology, parasitology and urinalysis) in summer 1965 and 1966





- Numerous administrative structure changes
 - 1967 – Medical School separated from MU
 - 1970 – Program removed from Dept. of Pathology
 - 1975 – MCW umbrella ceased
 - 1996 – College of Health Sciences began
- Awarded an Allied Health Professions Basic Improvement three-year grant in 1967–68; purchased laboratory equipment and developed teaching aids; \$69,475
- Editor of the *Comprehensive Review for Medical Technologists published in 1975*
- \$8 million renovation to the Cramer Building (old Medical School building) in 1978 to expand teaching facilities for medical technology and physical therapy





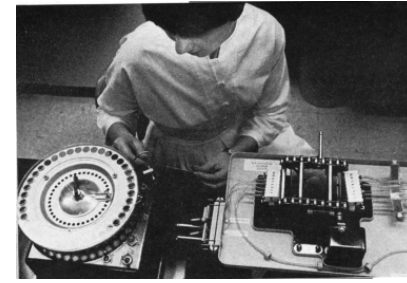
- The 1980's brought major changes in hospital regulations/structure; hospital laboratory consolidations and closures; limited the number of clinical placements; declining enrollments nationwide
- Name changed to Medical Laboratory Technology in 1990 to define laboratory diagnostic medicine; abbreviation(MLT) confusing; name changed in 1998 to Clinical Laboratory Science
- Alice Semrad Endowed Scholarship established upon her retirement; awards granted to students for past 13 years; will be able to continue this legacy for many years with regular contributions from alumni



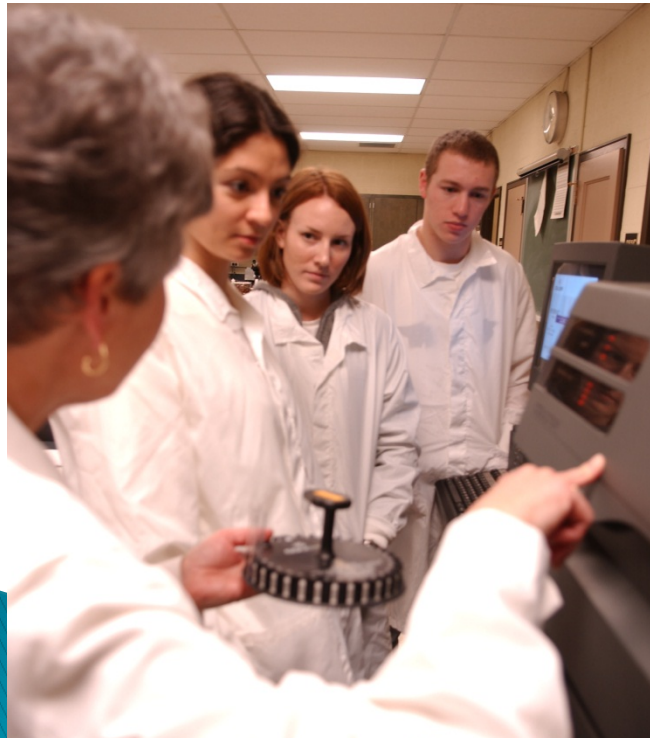
1996–2009

- ▶ Linda Milson (faculty 1970–73; 1976) named program director
- ▶ Clinical sites expanded
- ▶ Initiated university program accreditation – in 2001 awarded initial 5 year accreditation
- ▶ Courses: Concepts in CLLS Medicine, Laboratory Instrumentation and Method Evaluation





- ▶ Recipient of the Robert and Mary Gettel Faculty Ward for Teaching Excellence – 2002
- ▶ Co-chair Clinical Laboratory Educators Conference in Milwaukee – 2004
- ▶ President ASCLS-WI and Member of the Year in 2008
- ▶ Co-Chair of ASCLS State Revitalization Task Force in 2008–09



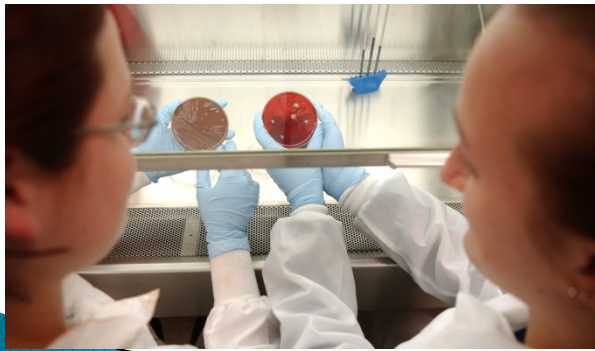
2009–Present

- ▶ Dr. Linda J. Laatsch, faculty member since 1976, named program director
- ▶ Specialty in Microbiology
- ▶ Outstanding Young Educator by the Milwaukee Jaycees in 1984
- ▶ Conceived of and developed Public Health course in 2002; received an MU Urban-Directed Curriculum Enhancement Grant to assist in the course development
- ▶ Received a Distinguished Service to Public Health Award from the Wisconsin Public Health Association in 2011





- Recipient of the John P. Raynor, S.J. Faculty Award for Teaching Excellence in 2007
- President of MSMT and ASCLS-WI and Member of the Year in 2007
- Chair of the ASCLS Promotion of the Profession Committee



Curriculum

- ▶ Biology (6)
 - zoology, **biologic technique**, elementary bacteriology, parasitology, **histology**
- ▶ Chemistry (6)
 - general, organic, **quantitative analysis**, biochemistry
- ▶ English (2)
- ▶ History (2)
- ▶ Philosophy (4)
- ▶ **Sociology (1)**
- ▶ Theology (5)
- ▶ **Orientation**
- ▶ **Physical education**
- ▶ Electives(2)
- ▶ Pre-clinical (5)
 - anatomy, **clinical pathology**, hematology, medical bacteriology, physiology
- ▶ Clinical (8)
 - blood bank, chemistry, hematology, **histology**, immunology and serology, microbiology, urinalysis, **BMR, EKG, medical records**

Original 3+1 program; 12-month (52-week) clinical internship

- ▶ Biology (2)
 - general
- ▶ Chemistry (4)
 - general, organic, biochemistry
- ▶ **Diverse Cultures (1)**
- ▶ English [Rhetoric] (2)
- ▶ History (1)
- ▶ Individual and Social Behavior (1)
- ▶ Literature and Performing Arts (1)
- ▶ **Mathematical Reasoning [Statistics] (1)**
- ▶ Philosophy (1 of 3 is **Applied Ethics for the Health Sciences**)
- ▶ Theology (2)
- ▶ **Professional Issues I**
- ▶ Electives(4)
- ▶ Pre-clinical (9)
 - **analytical and clinical chemistry**, anatomy, clinical hematology 1, concepts in CLLS medicine, **laboratory instrumentation**, medical bacteriology, medical microbiology, **molecular diagnostics**, physiology
- ▶ Clinical (9)
 - blood bank, chemistry, hematology, **hemostasis**, immunology and serology, microbiology, urinalysis, **education, management**

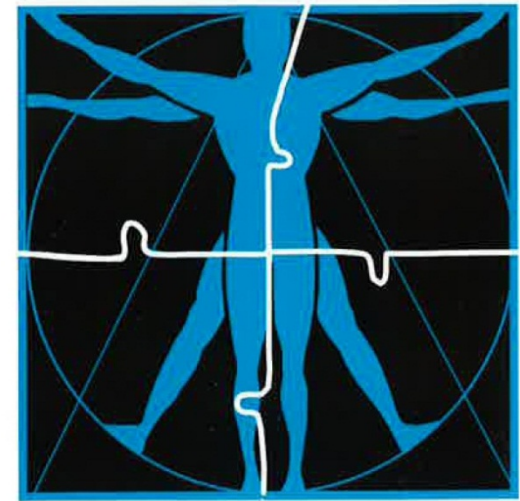
Current integrated 4-year program; 6-month clinical component

“WHO SOLVES THE PUZZLE ?”

- ▶ Innovative recruitment strategy to address declining enrollments in university-based programs
- ▶ First offered 1986–87 fall semester
- ▶ Three-day Saturday course for high school students

Diabetes serves as the case study

- Chemistry and urinalysis on day 1
- Hematology on day 2
- Microbiology on day 3



Laboratory Medicine is essential to healthcare

Laboratory results produced by **Clinical Laboratory Scientists**

influence 70% of medical decisions

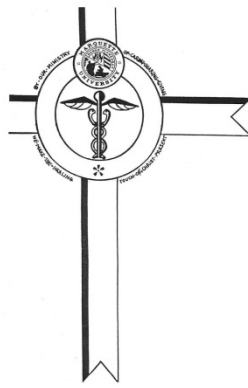
- ▶ Currently enrolled CLS students serve as laboratory assistants
- ▶ >1000 students have completed the course
- ▶ ~5% have chosen CLS as their college major



ALPHA DELTA THETA AΔΘ

- ▶ First national medical technology sorority
- ▶ Founded on February 1, 1944 at the University of Minnesota
- ▶ Marquette designated the Alpha chapter and Minnesota the Beta chapter
- ▶ First national convention in November 1944
- ▶ Official publication, the *Scope*, was published four times a year
- ▶ December 1974, Alpha chapter became inactive; students organized an active group within the professional society to continue service work and live out Marquette's mission

30 years of αδθ at MU

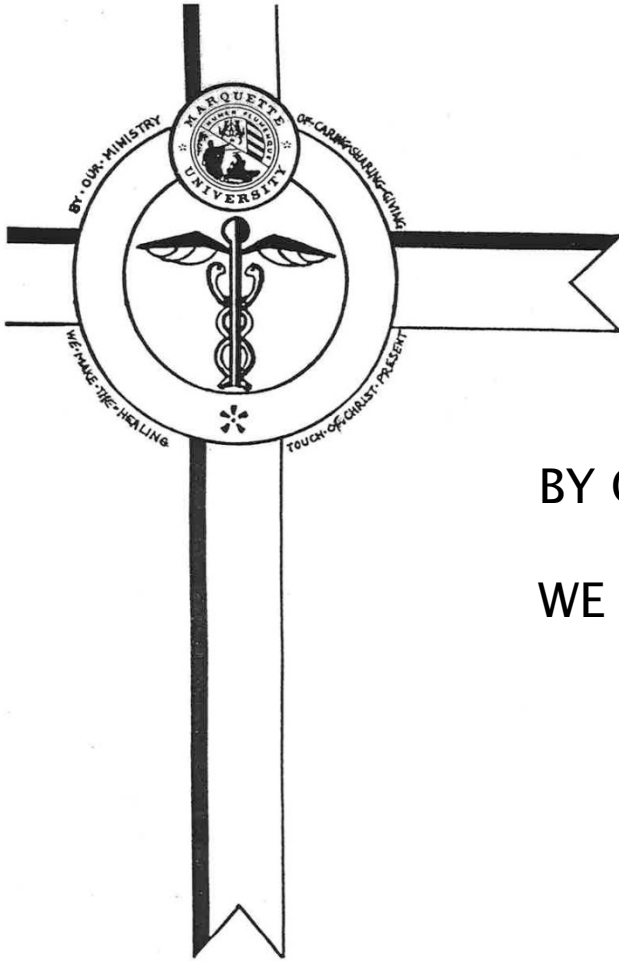


PROFESSIONAL DEDICATION

- ▶ The junior class of 1958–59 conceived the idea
- ▶ A religious experience was the central theme
- ▶ First dedication ceremony took place May 17, 1959 with the celebration of the Mass in the Medical School Auditorium; seniors pinned badges on the white uniforms of the juniors
- ▶ Honors banquet and awards ceremony followed later in the day at the Astor Hotel



54th annual Professional Dedication was celebrated on April 13, 2013
Events: open house, dedication ceremony, reception



BY OUR MINISTRY OF CARING, SHARING, GIVING –
WE MAKE THE HEALING TOUCH OF CHRIST PRESENT

Current faculty & staff

