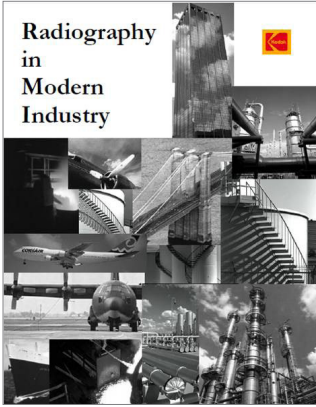




# 75 Years of Commitment



It's hard to say if Phillip Johnson and the eight founders of the American Industrial Radium and X-Ray Society in 1941 (now known as American Society for Non-Destructive Testing) could have predicted the impact that this organization would have on modern industry and lives around the world. From its beginning with eight members, it's now grown to over 15,000 members spanning the globe. The focus of the founders has also changed slightly over time. Originally focused on Radium and X-Ray, today it includes dozens of non-destructive methods each one serving a key need in the industry.

One of the early members of the organization was Ralph E. Turner from the Eastman Kodak company. He served in a variety of roles during his involvement, actively recruiting from many sources including Kodak which was a leader in industrial imaging at that time. In the summer of 1942 Kodak published one of the first radiography guides titled, "Kodak Products for Industrial Radiography". Circa 1950 Kodak published, "Radiography for Modern Industry" which quickly became the primary reference source for industrial radiography. Both of these documents covered years of technical experience in industrial radiography and were the first tools radiographers used to help them with applications and product selection.



One of the early ads Kodak published was targeted at industrial radiographers advertising three different kinds of films (Type A, Type F and Type K) depending on the metallurgy and source strength. A copy of the ad is seen here taken from a recent publication in Materials Evaluation (March 2016). Today we still have only a few basic types of film used in industrial radiography. While it's more than three, the number hasn't grown to double digits.

Just three years after founding the American Industrial Radium and X-Ray Society, in 1944 membership went global and sister organizations started sprouting up around the world looking to share and further the knowledge in this critical field. In 1965 Kodak became a member of the Deutsche Gesellschaft Fur Zerstorungsfreie Proufung E.V. (DGZfP) and recently was awarded the 50 year recognition for their contribution to the German NDT industry. In 1980 they joined the AIPnD (Italian NDT Association) and the list goes on.

Moes, Nathaniel, "Industrial Radiography", Materials Evaluation March 2016.

As the years passed Kodak was always extensively involved both ASNT as well as ASTM. In 2007 Kodak sold their healthcare division, which included the non-destructive testing business and was renamed Carestream Health, Inc. While the name may have changed, the commitment to non-destructive testing and material sciences never changed. In fact, in 2016 Carestream was awarded the 75 year recognition for supporting ASME. We are one of few companies that can say, "We've been around since the very beginning!"



In 1975 Kodak was commissioned by the Independence National Historical Park to radiograph the Liberty Bell. At the time this was the largest radiograph ever made. They wanted to know whether the bell could be moved from its location at Independence Hall to its current place inside a glass pavilion on Independence Mall. It took two nights to create the radiograph. The tests showed only small additional cracking none of which posed a threat for additional cracking when moving the bell. It was an honor to a part of this historical moment and to showcase the power of non-destructive testing.



## of Commitment

### **Today the Carestream NDT team is active in local organizations and around the globe:**

- In the Americas, Steve Mango is an active member of ASTM International, the American Society of Mechanical Engineers (ASME), and the American Society of Non-Destructive Testing (ASNT). He currently participates as a member of the ASME Working Group on Radiography (WGRT). He is also active with the ASTM E07 committee and subcommittees E07.01 (X- and Gamma radiography), E07.02 (Reference Radiological Images), and E07.11 (DICONDE)
- Brian S. White is also an active member of ASTM International, the American Society of Mechanical Engineers (ASME), and the American Society of Non-Destructive Testing (ASNT). He is the vice-chair of the ASTM E07.01 committee and active on , E07.02 (Reference Radiological Images), and E07.11 (DICONDE). Brian is also the chair of the ASTM E1316 Section D (RT Terms) Glossary Committee.
- Steve Pflanz is an active member of ASTM International, and participates on the ASTM E07.01 committee.
- Mike Holloway and Steve Pflanz are recognized as past chairs of the Glossary Committee.
- In Europe, Giuseppe Oliva is a member of the Italian Society for Non Destructive Testing AIPnD.
- In France, Jacques Roussilhe is an active member of the French Confederation for Non Destructive Testing (COFREND) and of the French AFNOR Non Destructive Testing A09B standard committee. He is also on the CEN/TC 138 WG1 European Committee for standardization - Non Destructive Testing - Ionizing radiation testing.
- Awarded 50 years recognition for contributions to the German NDT Society (DGZfpP).

As we think back to that film ad, we realize how far we've come since the inception of this organization. For radiography we've gone from a manual dip process where we wait for developing to happen before we can interpret an image to now fully digital imaging with the launch of Computed Radiography (CR) and Digital Radiography (DR). Carestream is proud to be a leader in the radiography space and for continuously setting the benchmark for others to strive for. Not only have our CR products won many awards for innovation and product design, they've also changed our industry and improved the way our customers work. We see things faster, with less exposure dose and with more clarity than ever before. The tools in the hands of radiographers today allow them to see with one exposure what in the past may have taken several or used several pieces of film. They can use image filters to view parts with varying densities all at one time (Edge Filter) making defect recognition easier and faster. We can create reports, share images instantly and bring in multiple modalities so that companies are more productive, more efficient and more accurate. Film is still a part of the NDT world and while "going digital" is always an exciting step, we've also made advancements with new coatings, more effective chemicals and even with improvements to the packaging so that products hold up in the extreme weather conditions that all of us have seen and worked in.

Carestream NDT is proud of our accomplishments as well as those of organizations such as ASNT around the world that support this important industry. The investments that have been made over the past 75 years in people, training and through the development of innovative new products has without a doubt improved global quality control and safety. It's been exciting to be a leader in so many of the steps along the way, but also humbling to think about the number of catastrophes that have been avoided by the work we do. We should also be proud of the countless number of lives that have been saved through the dedication of every person who works in non-destructive testing. Their dedication to excellence is our dedication to making the next 75 years even better!