

**NSPE SPEECH AT ORDER OF ENGINEER CEREMONY
“ETHICS, PROFESSIONALISM AND THE ORDER OF THE ENGINEER”**

KENNETH L. MCGOWAN, P.E., F.NSPE

JULY 16, 2015

INTRODUCTION

IT WAS 27 YEARS AGO THAT I WAS THE HOST SOCIETY CHAIR OF THE NSPE ANNUAL MEETING HERE IN SEATTLE AT THE SHERATON HOTEL. I HAVE BEEN A NSPE MEMBER SINCE 1974. MY INVOLVEMENT OVER THAT SPAN OF TIME HAS BEEN A VERY REWARDING JOURNEY.

IT IS A PLEASURE TO BE HERE TODAY TO TALK ABOUT ETHICS, PROFESSIONALISM AND THE ORDER OF THE ENGINEER. I'M GOING TO BE USING A SCRIPT BECAUSE I PLAN TO COVER A LOT OF GROUND AND I DON'T WANT TO FORGET ANYTHING.

AS MEMBERS OF NSPE, OUR MISSION IS TO PROTECT THE HEALTH, SAFETY AND WELFARE OF THE PUBLIC.

AS MEMBERS OF THE ORDER OF THE ENGINEER (OOE), WE HAVE A MISSION (OR PURPOSE) WHICH IS:

- **TO FOSTER A SPIRIT OF PRIDE, INDIVIDUAL INTEGRITY AND RESPONSIBILITY IN THE ENGINEERING PROFESSION;**
- **TO BRIDGE THE GAP BETWEEN EDUCATION AND PRACTICE;**
AND
- **TO PRESENT THE PUBLIC WITH A VISIBLE SYMBOL IDENTIFYING THE ENGINEER.**

THEREFORE, IT FOLLOWS THAT THE OOE'S MAIN FOCUS HAS TO DO WITH GRADUATES IN ENGINEERING FROM ENGINEERING PROGRAMS ACCREDITED BY THE ENGINEERING ACCREDITATION COMMISSION (EAC) OF ABET - WITH EMPHASIS ON YOUNG ENGINEERS AND THEIR COGNIZANCE OF ETHICAL AND PROFESSIONAL RESPONSIBILITIES.

- IT IS IMPORTANT THAT ASPIRING ENGINEERS UNDERSTAND WHAT IS EXPECTED OF THEM AND TO FAMILIARIZE THEMSELVES WITH **NSPE'S STATEMENT OF PRINCIPLES.**
- FOR THOSE OF YOU WHO MAY HAVE FORGOTTEN NSPE'S STATEMENT OF PRINCIPLES, IT STATES: **"BEING A LICENSED PROFESSIONAL ENGINEER MEANS MORE THAN JUST HOLDING A CERTIFICATE AND POSSESSING TECHNICAL COMPETENCE. IT IS A COMMITMENT TO HOLD THE PUBLIC HEALTH, SAFETY AND WELFARE ABOVE ALL OTHER CONSIDERATIONS."**

A KEY MOTIVATION FOR MY ACTIVITY IN THE OOE (OVER THE PAST 15 YEARS) HAS BEEN ***MY KEEN INTEREST AND DESIRE TO EXPOSE YOUNG ENGINEERS AND PE'S COMING INTO THE PROFESSION TO THEIR BASIC ETHICAL RESPONSIBILITIES.***

WE CAN ALL AGREE THAT THESE MOSTLY YOUNG ENGINEERING GRADUATING STUDENTS, LEAVING THE UNIVERSITIES AND COLLEGES ACROSS THE COUNTRY EACH YEAR, ARE ALL-IMPORTANT TO THE FUTURE OF THE ENGINEERING PROFESSION.

IT IS MY PLEASURE TO BE HERE TODAY TO ENHANCE COLLABORATION BETWEEN NSPE AND THE OOE.

- I HAVE ALREADY TALKED WITH INCOMING NSPE PRESIDENT TIM AUSTIN AND NSPE PRESIDENT-ELECT TOM ROBERTS ABOUT HOW OUR 2 NATIONAL ORGANIZATIONS CAN WORK CLOSER TOGETHER.
- EITHER NSPE'S EXECUTIVE DIRECTOR MARK GOLDEN OR PRESIDENT-ELECT TOM ROBERTS WILL BE ATTENDING THE OOE'S FALL BOARD OF GOVERNORS MEETING IN PHOENIX TO FURTHER THIS COLLABORATION.
- IT SHOULD BE NOTED THAT TWO-THIRDS OF THE PRESENT MEMBERS OF THE OOE'S EXECUTIVE COMMITTEE AND BOARD OF GOVERNORS ARE ACTIVE NSPE MEMBERS.

- PRESENT OOE GOVERNORS **MONTE PHILLIPS** AND **MICHAEL HARDY** HAVE BEEN PAST NSPE PRESIDENTS WITH MONTE ALSO HAVING SERVED AS A PAST OOE CHAIR.
- OTHER PAST DISTINGUISHED CHAIRS OF THE OOE THAT MANY OF YOU WILL RECOGNIZE ARE:
 - **DON RATHBONE**, PE (FROM KANSAS)
 - **DERALD MORGAN**, PE (FROM ALABAMA)
 - **BILL RAUGH**, PE (FROM MONTANA)
 - **DON HIATTE**, PE (DECEASED FROM OHIO)
 - **WALT LEFEVRE**, PE (DECEASED FROM ARKANSAS)
 - **JOE PAUL JONES**, PE (DECEASED FROM TEXAS)

AT PRESENT, THE OOE CONSISTS OF 4 OFFICERS, 14 MEMBERS OF THE BOARD OF GOVERNORS, AND AN EXECUTIVE DIRECTOR. TO THE EXTENT FEASIBLE, WE MAINTAIN AN EQUITABLE DISTRIBUTION OF GOVERNORS AMONG THE 4 GEOGRAPHIC REGIONS OF THE COUNTRY. AN EFFORT IS ALSO MADE TO MAINTAIN A REASONABLE BALANCE BETWEEN EDUCATORS AND NON-EDUCATORS IN EACH REGION.

I MIGHT ADD THAT IF ANY OF YOU HERE TODAY ARE EVER INTERESTED IN SERVING ON THE OOE'S BOARD OF GOVERNORS IN THE FUTURE, YOU SHOULD MAKE YOUR WISHES KNOWN TO ONE OF THE MEMBERS OF THE OOE'S NOMINATING COMMITTEE, ORDER EXECUTIVE DIRECTOR PAULA OSTAFF, OR ME.

NSPE MEMBERS, MORE THAN MEMBERS OF OTHER TECHNICAL AND PROFESSIONAL SOCIETIES, ARE BETTER EQUIPPED TO SERVE THE ORDER AND MOST LIKELY ARE MORE COMMITTED TO ETHICS AND PROFESSIONALISM.

BEFORE RELATING FURTHER PREPARED REMARKS, LET ME READ A REPRINT ARTICLE FROM THE JULY 2009 PE MAGAZINE WRITTEN BY A MOTHER OF TWO PROFESSIONAL ENGINEERS.

READ ARTICLE!!!

“THE OBLIGATION”

- TODAY, I WOULD LIKE TO PROMOTE THE OOE HISTORY BOOK TITLED “*THE OBLIGATION*”.
- I ENCOURAGE ANY OF YOU INTERESTED IN FINDING OUT MORE ABOUT THE ORDER AND ITS HISTORY TO CONSIDER BUYING THIS BOOK AUTHORED BY KIP WEDEL, A HISTORY PROFESSOR AT KANSAS STATE UNIVERSITY.
- THE BOOK WILL MAKE AN EXCELLENT EDITION TO YOUR ENGINEERING LIBRARY.
- THE BOOK IS AVAILABLE ON THE ORDER WEBSITE: WWW.ORDER-OF-THE-ENGINEER.ORG IN HARD COVER (\$27.99), SOFT COVER (\$16.95) AND E BOOK (\$7.99) FORMATS FOR NOMINAL AMOUNTS.
 - OF SPECIAL NOTE, THE OOE’S WEBSITE HAS BEEN RECENTLY UPDATED – THERE IS A WEALTH OF INFORMATION FOR ANY POTENTIAL INDUCTEE OR LINK TO REVIEW.
- THE PREFACE OF *THE OBLIGATION* **MEMORIALIZES WHISTLEBLOWER ROGER BOISJOLY**
 - FOR HIS WARNINGS ON THE APOLLO 13 DISASTER CRITICAL O-RING SEALS;
 - FOR HIS STRONG ETHICAL STAND IN THE FACE OF EMPLOYER RETRIBUTION; AND
 - FOR HIS ENDURING POST-TRAUMATIC STRESS DISORDER RESULTING FROM HIS STAND.
 - WE ARE GOING TO HEAR MORE ABOUT ROGER DURING THE MEETING LATER THIS WEEK.
- *THE OBLIGATION* DESCRIBES HOW IN 1907, THE 1800-FOOT SPAN QUEBEC BRIDGE COLLAPSED DUE TO POOR ENGINEERING DESIGN. OF THE 86 MEN WHO WERE WORKING ON THE BRIDGE AT THE TIME, 75 OF THEM DIED.

- 9 YEARS LATER A SECOND ATTEMPT TO SPAN THE ST. LAWRENCE RIVER ENDED IN ANOTHER COLLAPSE, THIS TIME KILLING 13 MEN.
- AS MYTH HAS IT, THE FIRST CANADIAN IRON RINGS GIVEN INDUCTEES OF THE CANADIAN CALLING WERE HAMMERED BY HAND FROM IRON DRAWN FROM THE WRECKAGE OF THE QUEBEC BRIDGE.
- IF THERE WAS ANY LESSON LEARNED FROM THE QUEBEC BRIDGE HORROR, IT IS **THAT THE MORAL RESPONSIBILITY OF THE ENGINEER IS AT LEAST AS IMPORTANT AS HIS OR HER TECHNICAL KNOWLEDGE.**
- THE BOOK FURTHER SPEAKS IN DETAIL TO THE HISTORY OF THE ORDER GOING BACK TO BEFORE 1920.
- **DO CONSIDER** READING THE BOOK TO HELP PUT IN PERSPECTIVE THE IMPORTANCE OF ETHICS AND YOUR SOCIAL RESPONSIBILITIES AS A PE.

MORE ABOUT THE HISTORY OF THE OOE

- THE TWIN BRIDGE DISASTERS INDEED REVEAL WHY THERE IS A NEED TO INSTILL IN ENGINEERS BOTH THEIR TECHNICAL AND SOCIAL RESPONSIBILITIES.
- IN 1918, 2 YEARS AFTER THE SECOND COLLAPSE, THE CANADIAN SOCIETY FOR CIVIL ENGINEERS (CSCE) REORGANIZED ITSELF AS THE ENGINEERING INSTITUTE OF CANADA (EIC) AND INTENSIFIED ITS EFFORTS TO PLACE ENGINEERING ON A MORE ROCK-SOLID FOUNDATION.
- PE'S WERE TO BE LICENSED, AND DESIGNS FOR CERTAIN PUBLIC PROJECTS, INCLUDING BRIDGES, WOULD REQUIRE THE APPROVAL OF LICENSED PE'S.
- YOUNG ENGINEERS WOULD BE TAUGHT TO REFLECT ON THEIR ETHICAL OBLIGATIONS, AS WELL.
- THEN IN JANUARY, 1922, PROFESSOR HAULTAIN, OF THE UNIVERSITY OF TORONTO, CALLED FOR AN ENGINEERING OATH OR CREED IN A MUCH-DISCUSSED LECTURE DELIVERED AT THE

36TH ANNUAL PROFESSIONAL MEETING OF THE ENGINEERING INSTITUTE OF CANADA.

- LATER, AT THE REQUEST OF PROFESSOR HAULTAIN, **THE TEXT OF THE CANADIAN CALLING** WAS WRITTEN BY WELL-KNOWN **ENGLISH NOVELIST AND POET RUDYARD KIPLING**.
- IN THE TEXT OF THE CANADIAN CALLING, KIPLING EMPHASIZED THE RESPONSIBILITY SUCH A SOCIALLY CRITICAL ROLE ENTAILED. IT OBLIGATED THE ENGINEER TO CLING TO HIS OR HER MORAL CENTER IN SPITE OF EXTERNAL PRESSURES TO DO OTHERWISE. FINALLY, THE CANADIAN CALLING CALLED FOR A SENSE OF CAMARADERIE AMONG ENGINEERS AS PROFESSIONALS OF A COMMON CALLING AND NOT SIMPLY COMPETITORS.
- IN SHORT, THE CANADIAN CALLING MADE THE POINT THAT TECHNOLOGY ALONE IS AS CAPABLE OF MISCHIEF AS GOOD.
- THEN IN THE 1920'S THE CANADIAN FOUNDERS OF **THE CORPORATION OF THE SEVEN WARDENS** FELT IT NECESSARY TO ASK BOTH EXPERIENCED ENGINEERS AND ENGINEERING GRADUATES TO AFFIRM THEIR COMMITMENT TO ETHICAL PRACTICE.
- THE CANADIAN OBLIGATION WAS COPYRIGHTED IN 1935, AND 3 YEARS LATER, THE CORPORATION OF THE SEVEN WARDENS WAS FORMALLY INCORPORATED.
- ALTHOUGH THE CANADIANS CONSIDERED EXPANDING TO THE U.S. DURING THE 1920'S, AS INTERNATIONAL SCOPE WAS PART OF THEIR ORIGINAL VISION, THEY DECIDED AGAINST IT BECAUSE CANADA BEING A SMALL COUNTRY IN TERMS OF POPULATION RELATIVE TO THE U.S., SOME FEARED THAT CANADIAN CONTROL WOULD DISAPPEAR.
- ON NOVEMBER 19, 1962, TWO U.S. MEN [**HOMER BORTON AN OHIO SOCIETY OF PROFESSIONAL ENGINEERS MEMBER AND FENN COLLEGE (NOW CLEVELAND STATE UNIVERSITY) PRESIDENT G. BROOKS EARNEST**] RECEIVED THEIR IRON RINGS IN A FORMAL CEREMONY OF THE CANADIAN CALLING.

- **THIS SERVED TO BE THE GENESIS OF THE OOE IN THE U.S.**
- THE FIRST OOE CEREMONY HELD IN THE U.S. FOLLOWED A FEW YEARS LATER AT CLEVELAND STATE UNIVERSITY ON **JUNE 4, 1970.**
 - 170 ENGINEERING SENIORS, FACULTY AND MEMBERS OF THE OHIO SOCIETY OF PROFESSIONAL ENGINEERS (OSPE) PARTICIPATED IN THIS CEREMONY.
- THE ORDER'S ORGANIZERS FIRST AND FOREMOST WANTED AN ORGANIZATION **THAT WOULD REQUIRE A FORMAL AND PUBLIC COMMITMENT** ON THE PART OF ENGINEERS TO MEET THE MORAL RESPONSIBILITIES OF THE PROFESSION.
- IT SHOULD BE NOTED THAT THE OBLIGATION IS FOR ALL ENGINEERS WHO QUALIFY FOR MEMBERSHIP AND COMMIT TO ITS PRINCIPLES.

SOME OTHER FACTS ABOUT THE OOE

- 15 YEARS AGO THERE WERE APPROXIMATELY 170 OOE LINKS.
- TODAY, THERE ARE OVER **215 ACTIVE LINKS** PLUS APPROXIMATELY ANOTHER **50 INACTIVE LINKS** WITH THE TOTAL NUMBER OF LINKS EXPECTED TO REACH **300** IN JUST A FEW YEARS.
- LINKS ARE ESTABLISHED IN NEARLY EVERY STATE.
- THE OOE ACCEPTS NEW LINKS THROUGHOUT THE U.S. AND ITS TERRITORIES, BUT NOT OUTSIDE THE U.S.
- THAT BEING SAID, THE OOE HAS HELPED OTHER COUNTRIES LIKE THE **UNITED KINGDOM, JAPAN, SOUTH KOREA, AUSTRALIA AND EGYPT** ESTABLISH THEIR OWN ORDERS.
- IT ONLY TAKES 3 OOE MEMBERS TO FORM A NEW LINK.
- THUS FAR THIS YEAR WE HAVE HAD OVER 20,000 NEW OOE MEMBERSHIPS!
- **INDUCTION CEREMONIES FOR THESE YOUNG ENGINEERS SHOULD BE USED AS A TOUCH POINT FOR ENCOURAGING NSPE MEMBERSHIP.**

- GOING THROUGH AN OOE INDUCTION CEREMONY AND RECEIVING A MEMBERSHIP RING AND CERTIFICATE ARE KEY REMINDERS TO INDUCTEES OF THEIR OBLIGATIONS AND COMMITMENT TO THE ENGINEERING COMMUNITY.

NEXT LET'S TALK ABOUT ETHICAL CHOICES & RESPONSIBILITIES

- ETHICS IS DEFINED BY MERRIAM-WEBSTER AS “A SET OF MORAL PRINCIPLES; A THEORY OR SYSTEM OF MORAL VALUES.”
- AS THE WORLD CONTINUES TO BECOME MORE COMPLEX, SOCIETY IS TURNING TO THE STUDY OF ETHICS TO HELP GUIDE IT DOWN MORALLY AMBIGUOUS PATHS – WE SEE A LOT OF THIS IN POLITICS.
 - IN THE WAKE OF PAST PROCUREMENT AND OTHER GOVERNMENT SCANDALS, MORE PRESSURE IS BEING BROUGHT TO BEAR ON ENGINEERS, CONTRACTORS AND SUPPLIERS RELATIVE TO THEIR BUSINESS PRACTICES.
 - ENGINEERING IS FRAUGHT WITH DIFFICULT MORAL CHOICES. THE CHOICES ARE NO LESS DIFFICULT BECAUSE THEY HAVE TO BE MADE FREQUENTLY.
 - ENGINEERS MUST OFTEN MAKE DECISIONS OF CONSCIENCE THAT CAN SERIOUSLY AFFECT THEMSELVES AS WELL AS SOCIETY.
 - HOW WE MAKE THOSE DECISIONS IS THE TRUE SUBJECT OF ENGINEERING ETHICS.
 - **HONESTY, INTEGRITY, FAIRNESS AND DEDICATION** ARE EVERY ENGINEER'S DUTY.
- ROTARIANS QUANTIFY ETHICAL BEHAVIOR WITH 4 BASIC PRECEPTS:
 - IS IT LEGAL?
 - IS IT THE TRUTH?
 - IS IT GOING TO BE FAIR TO EVERYBODY?
 - IS IT GOING TO PROMOTE GOODWILL?
 - IF YOU CAN ANSWER THESE 4 QUESTIONS AFFIRMATIVELY, THEN PROBABLY IT IS ETHICAL.

- A 5TH PRECEPT MIGHT BE, “**DO I WANT TO SEE IT ON THE FRONT PAGE OF TOMORROW’S NEWSPAPER.**”
- THE FIELD OF ETHICS INVOLVES “**SYSTEMATIZING, DEFENDING, AND RECOMMENDING CONCEPTS OF RIGHT AND WRONG BEHAVIOR.**” ETHICS DISCUSSIONS AND THEORY CAN BECOME QUITE COMPLICATED.
- ACC/TO JAMES FIESER OF THE UNIVERSITY OF TENNESSEE AT MARTIN, PHILOSOPHERS USUALLY DIVIDE ETHICAL THEORIES INTO 3 GENERAL SUBJECT AREAS - **METAETHICS, NORMATIVE ETHICS AND APPLIED ETHICS.**
 - **METAETHICS** INVESTIGATES WHERE OUR ETHICAL PRINCIPLES COME FROM AND WHAT THEY MEAN.
 - **NORMATIVE ETHICS** INVOLVES ARRIVING AT MORAL STANDARDS THAT REGULATE RIGHT AND WRONG CONDUCT. IN A SENSE, IT IS A SEARCH FOR AN IDEAL LITMUS TEST OF PROPER BEHAVIOR.
 - **APPLIED ETHICS** INVOLVES EXAMINING PARTICULAR CONTENTIOUS ISSUES, SUCH AS ABORTION, ANIMAL RIGHTS, ENVIRONMENTAL CONCERNS, CAPITAL PUNISHMENT, AND NUCLEAR WAR AND/OR NUCLEAR POWER.
- ETHICAL CONSIDERATIONS BEGIN EARLY IN LIFE – EITHER IN COLLEGE OR MOST LIKELY MUCH EARLIER.
- **ETHICS IS ABOUT RIGHT AND WRONG DECISIONS.**
 - **BLACK AND WHITE AREAS** – ARE EASY (THEY’RE ABOUT RIGHT VS. WRONG)
 - **GRAY AREAS** – ARE MUCH TOUGHER (THEY’RE ABOUT RIGHT VS. RIGHT OR THE LESSER OF EVILS/DILEMMAS)
- ETHICS HAS LITTLE TO DO WITH LAW, RELIGION AND CODES – SINCE THESE DO NOT ALWAYS TELL US WHAT IS RIGHT AND WRONG.
- WHY STUDY ENGINEERING ETHICS? ONE REASON IS TO BETTER UNDERSTAND THE STANDARDS GOVERNING WHAT IS ACCEPTABLE BEHAVIOR IN THE PRACTICE OF ENGINEERING.

- WHY PRACTICE ENGINEERING ETHICALLY? ***IF YOU DON'T, BAD THINGS ARE LIKELY TO HAPPEN:***
 - THERE ARE POSSIBLE PERSONAL INJURY OR PROPERTY DAMAGE RAMIFICATIONS
 - THERE ARE POSSIBLE DISCIPLINARY ACTIONS FROM STATE BOARDS OF REGISTRATION
 - THERE COULD BE A SERIOUS NEGATIVE IMPACT ON ONE'S REPUTATION, ONE'S EMPLOYER, ONE'S CLIENTS AND THE PROFESSION AT LARGE
 - FINALLY, THERE COULD BE POSSIBLE LOSS OF ONE'S JOB, LOSS OF BUSINESS AND EVEN LAWSUITS.
- DERALD MORGAN - FORMER CHAIR OF THE OOE, A CURRENT GOVERNOR AND RETIRED DEAN OF ENGINEERING AT THE UNIVERSITY OF ALABAMA IN HUNTSVILLE ONCE STATED THAT **"ALL MORALITY HAS TO START FROM SOME BASE"**.
- ETHICAL CHOICES MUST BE MADE BY THE ENGINEER, AND HE OR SHE **MUST DO SO NOT SIMPLY IN AN EFFORT TO STAY OUT OF TROUBLE**, BUT RATHER FROM THE DESIRE TO ELEVATE THE ENGINEERING PROFESSION TO THE HIGHEST POSSIBLE STANDARD.
- EACH ENGINEER MUST USE AN **ETHICAL SELF-EVALUATION PROCESS** TO KNOW IN WHAT **AREAS THEIR TECHNICAL COMPETENCE IS CURRENT**.
- MOST PRACTICING ENGINEERS WILL AGREE THAT ADHERENCE TO GOOD ETHICS IS ESSENTIAL TO GOOD BUSINESS
 - AS JUST ALLUDED TO, A FIRM'S SUCCESS RATE OBVIOUSLY **RESTS ON ITS REPUTATION**.
 - WHEN THAT GOES OR IS DIMINISHED IN ANY WAY, IT IS ALMOST IMPOSSIBLE TO RESTORE.
- **SO WHAT IS THE BASIS FOR WHAT IS EXPECTED OF A PE? ETHICS IS THE FULCRUM, AS ETHICS IS THE MEASURE UPON WHICH JUDGMENT EITHER BENEFITS OR HURTS THE PUBLIC.**
- **ABRAHAM LINCOLN'S ADVICE GIVEN TO YOUNG LAWYERS (JULY, 1850): "RESOLVE TO BE HONEST AT ALL EVENTS; AND IF**

IN YOUR OWN JUDGMENT YOU CANNOT BE AN HONEST LAWYER, RESOLVE TO BE HONEST WITHOUT BEING A LAWYER.”

- NOW, SOME OTHER RELEVANT QUOTES;
 - **ALBERT SCHWEITZER:** “ETHICS IS NOTHING ELSE THAN REVERENCE FOR LIFE.”
 - **JOHN BERGER:** “WITHOUT ETHICS, MAN HAS NO FUTURE. THIS IS TO SAY, MANKIND WITHOUT THEM CANNOT BE ITSELF. ETHICS DETERMINE CHOICES AND ACTIONS AND SUGGEST DIFFICULT PRIORITIES.”
 - **IMMANUEL KANT:** “IN LAW A MAN IS GUILTY WHEN HE VIOLATES THE RIGHTS OF OTHERS. IN ETHICS HE IS GUILTY IF HE ONLY THINKS OF DOING SO.”
 - **POTTER STEWART:** “ETHICS IS KNOWING THE DIFFERENCE BETWEEN WHAT YOU HAVE A RIGHT TO DO AND WHAT IS RIGHT TO DO.”
 - **JAPANESE PROVERB:** “THE REPUTATION OF A THOUSAND YEARS MAY BE DETERMINED BY THE CONDUCT OF ONE HOUR.”
 - **ALASKAN GENERAL CONTRACTOR (THAT I WORKED WITH DURING THE 1980’S):** “WRONG OR RIGHT I HAVE TO MAKE A DECISION. I HAVE TO GO WITH MY BEST GUT FEEL.”
 - **CHARLES COLSON:** “MORALITY DESCRIBES WHAT IS - ETHICS DESCRIBES WHAT OUGHT TO BE.”
 - **MILTON FRIEDMAN:** “THE SOCIAL RESPONSIBILITY OF BUSINESS IS TO INCREASE PROFIT WITHIN THE BOUNDS OF THE LAW WHICH IS TO SAY, ENGAGE IN OPEN AND FREE COMPETITION, WITHOUT DECEPTION OR FRAUD....”
 - **ALEXANDER SOLZHENITSYN:** “EVEN THE MOST RATIONAL APPROACH TO ETHICS IS DEFENSELESS IF THERE ISN’T WILL TO DO WHAT IS RIGHT.”
 - **ROGER BOISJOLY:** “ I BELIEVE IN THE PHILOSOPHY THAT YOU NEED TO TELL PEOPLE WHAT THEY NEED TO KNOW, NOT WHAT THEY WANT TO HEAR, ENGINEERS HAVE GOT TO STAND UP AND FIGHT FOR WHAT THEY KNOW IS RIGHT.”

- **MARK GOLDEN, EXECUTIVE DIRECTOR OF NSPE (IN MARCH, 2015 ISSUE OF PE MAGAZINE):** “A LARGE AND GROWING NUMBER OF NEWLY LICENSED ENGINEERS ACTUALLY GO ABOVE AND BEYOND THE REQUIREMENTS FOR LICENSURE AND VOLUNTARILY AFFILIATE WITH THE ORDER OF THE ENGINEER, MAKING A PERSONAL AND PROFESSIONAL COMMITMENT THAT RAISES THEM TO AN EVEN HIGHER LEVEL OF AWARENESS AND OBLIGATION.”
- FINALLY, ONE LAST QUOTE ON ORGANIZATION LEADERSHIP:
 - **JACK & SUZY WELCH (IN THEIR RECENTLY PUBLISHED BOOK TITLED *THE REAL-LIFE MBA*):** ‘LEADERS STILL MUST RELENTLESSLY UPGRADE THEIR TEAMS, MAKE SURE THEIR PEOPLE LIVE AND BREATHE THE ORGANIZATION’S VISION, AND EXUDE CONFIDENCE AND OPTIMISM. THEY STILL MUST ACT WITH TRANSPARENCY, HAVE THE COURAGE TO MAKE TOUGH CALLS, AND ENSURE THEIR DIRECTIVES RESULT IN ACTION. AND, WITHOUT A DOUBT, THEY MUST STILL INSPIRE RISK-TAKING AND TAKE THE TIME TO CELEBRATE VICTORIES LARGE AND SMALL.’

WHERE DO WE GO FROM HERE?

- **THE OOE LONG-TERM (20-YEAR) GOAL – IF YOU WILL:** IS FOR EVERY MAJOR UNIVERSITY WITH AN ACCREDITED ENGINEERING PROGRAM TO HAVE A CEREMONY AND ESTABLISH AN OOE LINK.
- I ENCOURAGE YOU HERE TODAY TO SUPPORT LAUNCHING NEW LINKS AT UNIVERSITIES AND ELSEWHERE, AND ASSIST IN REACTIVATING INACTIVE LINKS.
- AS NSPE AND OOE MEMBERS, WE WANT TO HAVE A ROLE IN PREPARING GRADUATE ENGINEERING STUDENTS FOR THEIR FUTURE AND HELP THEM UNDERSTAND THE IMPORTANCE OF BEING A P.E.

- WHERE WE ARE HEADED WITH OUR CAREERS IS MORE THAN JUST CONTINUING OUR PROFESSIONAL GROWTH TECHNICALLY – IT’S ABOUT BEING CONSCIOUS OF ETHICAL CHOICES AND HOW TO MAKE THOSE CHOICES.
- NSPE’S BEST PEOPLE (I.E., THOSE PEOPLE HERE AT THIS MEETING) ARE NSPE’S GREATEST HOPE FOR LONG-TERM SUCCESS AND SURVIVAL. WE MUST DO WHATEVER IT TAKES TO KEEP THEM IN THE FOLD.

IN CONCLUSION

- IF YOU WOULD LIKE TO FIND OUT MORE ABOUT THE OOE, I WILL MAKE MYSELF AVAILABLE ANYTIME DURING THE REMAINDER OF THE NSPE MEETING.
- AS BOTH DAVID STEINMAN AND TIM AUSTIN HAVE PREVIOUSLY STATED, “TRAINED, EXPERIENCED, ENTHUSIASTIC, SELF-SACRIFICING LEADERS WILL HELP THE SOCIETY ACCOMPLISH THEIR GOALS” – AND ONE OF THOSE GOALS IS TO BE A PART OF INFLUENCING YOUNG ENGINEERS OF TOMORROW.
- THANKS FOR YOUR ATTENTION.

QUESTIONS

- ARE THERE ANY QUESTIONS?