OUR HERITAGE AND RESPONSIBILITY
FREDERICK KRAISSL, JR., P. E.
President
THE KRAISSL COMPANY, INC.

Tragedy beyond the capacity of prediction or imagination was the experience of the United States citizenry during 1963. There have been evaluations, retrospections and possible recriminations.

One possible silver lining to this dark cloud that befell us is a renewed dedication of all of us to the principles on which this country was founded, and an avowed, both in private and in public, that the sacrifices of our predecessors will not have been in vain.

This is our country. It is not what the country can do for us but what we can do to continue the forward march of this country to its destined leadership of mankind, that is of real importance. The heritage left by our forefathers to us is that of liberty. Let us accept our responsibility to see that this intangible value justifying any sacrifice, is perpetuated for those who follow after us. Let us realize that the false apparent value of security does not exist and that nothing must motivate us to trade a false value for an eternal one. Our former President had financial security and the protection of the greatest security organizations that can be provided. These did not suffice. But the eternal values of liberty and freedom remain and must be safeguarded at all costs.

This will not be accomplished by using election day to play golf, until we have voted, or Thanksgiving for a day of feasting, until we have thanked the Almighty for our country and our freedom, or Christmas to estimate what we will receive rather than what we can give in the name of the One whose birthday we celebrate, or passing on to unborn generations obligations we assume but are unwilling to defray.

Dedication to principles is a way of life. Let us not lose this concept. This is the only country I know of that was founded on the principle of liberty and carries on its coins this statement and the slogan “In God we trust.”

Let us not sacrifice the principle of liberty for the imaginary goal of security.

SELF-RELIANCE
ALICE L. KRAISSL, Vice-President

The leopard cannot change his spots — poor leopard! This means he must always stay in the environment which offers the greatest protection or risk of annihilation.

Too many present-day citizens are somewhat like the leopard, only their unchangeable spots are a mental attitude which makes it necessary for them to stay in the rut which offers the greatest security.

Unlike the leopard, man can change his “spots”, by the application of initiative and a real desire for a place in the sun — away from the protective shadow of so-called security.

It is appalling to think that the young to middle age parents of today are a generation who have never had the opportunity to be wholly on their own, not subjected to the stifling effect of government regulations enforced in the name of security. Almost anything is weakened by too much protection. If one carefully nurtures a plant, providing warmth, moisture and nutrition, the rapid growth is interesting to observe and is of value to the grower if done on a commercial basis. Let one of the regulated requisites be missing, perhaps in the form of a cold snap or drought, and the result is quickly evident — the plant having always been well tended cannot cope with deviation from this sufficiency. People are not too different. Those who have spent years sheltered from the difficulties of life find themselves hopelessly at sea when faced with some of the stern realities. This is where character, stamina, and will, assert themselves and if possessed of these virtues an individual finds himself able to deal with circumstances he might not have dreamed possible.

The average person applying for a job today wants to know in quick succession “What is the take-home pay? How long do I have to work? How much vacation? What paid holidays? What fringe benefits?” Often the questions come so fast the interviewer has the impression he is the one being interviewed. When the rare individual applies who asks “Is there a real future for me if I apply?” when a jewel has been found — and he will probably be a person who really believes in his ability to make his way against any odds.

The country today is faced with a difficult problem in the matter of employment. The babies of the war years are now entering the labor market in huge numbers, and engineering achievements have resulted in automation of many processes, thereby reducing the workforce required. For those with initiative and ability there will always be jobs because they are the ones who will have the quality of finding or making a place for themselves. There will be many others, though, who will be discontentedly content to sit back and proclaim loudly that society owes them their rights, so let the government take care of them through the various social agencies until the “perfect” job comes along. They will bemoan their plight and envy others, but will make little effort to actively correct their situation.

Perhaps this is a result of the softer life that has gradually been experienced over the years. What child of today’s urban or suburban family is charged with the responsibility given children on the farms a generation or two ago? Today it is almost unthinkable for a child to walk a mile to school, but not so very long ago many children walked several miles to and from school, and this with various chores to be done both before and after school. Many of the graduates of the one room schools of those years came to be the men who laid the foundation for the industrial complex of our nation — and without thought or expectation of government subsidy, should their projects not have succeeded.

With the growth of urban areas the need for a child to accept responsibility in the home has been reduced or ceased to exist because parents failed to assign tasks or to insist on their
performance. Each generation has been guilty of being increasingly protective toward their children, and increasingly indulgent of childish whims and desires. Discipline is lacking in many homes, and has been practically legislated out of our schools. Even the judicial system becomes increasingly tolerant of juvenile misdemeanors.

The result of all this laxity cannot help but result in a softening of moral fibre, and an increasing number of young people will come to maturity with a "why should I worry, let the government take care of me" attitude, and will seek in ever increasing numbers, the protective shadow of legislated security.

What we need as a nation, and for our nation's future stability in this challenging world, is to instill into young minds over and over again, the fact that the security of any individual is a personal matter only. True security for anyone is the knowledge that exists within one's inner conscience of the ability to meet and conquer one's own problems. No legislation, Federal, State or otherwise, can provide this.

EDITORIAL OPINIONS

Our editors are the senior officers of the company and this is the opportunity for each of us to express thoughts which we believe can be stated to advantage. It must be emphasized that the opinions expressed are those of the author and not necessarily endorsed by the rest, or the Board of Directors of this Company.

PERSONALS

Our President, Frederick Kraissl, Jr., P.E. has been elected President of the Franklin-Ogdensburg Mineralogical Society, Inc. for the year 1964. The area represented by this society is famous for many minerals including the Franklin fluorescents, minerals which can be identified by their reactions to both short and long wave ultra-violet light. Mineralogy is one of the interests of Kraissl Associates as is reflected in the display at the Kraissl Associates Building which has just been completed.

The Boston Cooper Company has long been one of the most progressive distributors of Kraissl Products used by the fuel oil burner field. We are happy to announce the extension of our association by the appointment of this organization as our general sales representatives for the New England states of Massachusetts, Rhode Island, New Hampshire and Vermont. Their address is 95 Holland Street, Somerville, Mass. and we bespeak for them the cordial reception which has been given to our other sales representatives by our customers.

As prophesied in a previous issue, our experience with the six inch size transfer valve was so satisfactory, that we were encouraged to go to an eight inch size in the plug valve design.

As every engineer will appreciate, the valve is the heart of the duplex strainer. This is the device that permits the transfer of an in and out flow from one duplicate unit to another whether it be a separator, either filter or strainer, or a heat exchanger.

Consequently, with the design of a transfer valve of this capacity we automatically are able to present a duplex separator of our Class 72A series three piece construction.

Please appreciate that our transfer valves are of the true plug valve design and not to be confused with other types that do not have the bearing characteristics of plug valves. There is very little evidence that lifting jacks are required with true plug valves of any type. Consequently, we do not suggest the added expense of lifting jacks when these transfer valves are fabricated from metals which can move in contact without galling or scoring.

The disadvantage of lifting jacks is that extraneous matter can come between the plug and its seat when the plug is raised by the lifting jack. When the plug is returned to its seat, this extraneous matter may be trapped between the plug and seat. If the extraneous matter is of a hardness greater than either plug or seat, it will probably gall or score one or the other when the plug is next rotated. This will produce a permanent by-pass between the high pressure and low pressure ports and will constitute a permanent leak in the scored position.

The anti-wedging angle we employ makes lifting jacks unnecessary with most metals and reduces the cost of the complete unit. However, we know that because of sad experience with other designs which we believe not to be of true plug design, many naval architects and marine engineers insist on lifting jacks. Consequently, we have made available for many years, a lifting device which in our opinion is least liable to induce a galling or scoring condition. This is a standard accessory for all Kraissl Class 72 series separators.

We are, therefore, able to include in this announcement a dimension sheet of our Class 72-53AF size 8" duplex separator showing appropriate side bodies assembled to our Class 72-53AA transfer valve. Please contact us for prices in the desired metals of construction.
CLASS 66 SERIES
DIRECT CONNECTED PUMPS
U.S. Patent No. 2,988,009

CLASS 66EMD

Our Class 66 Series pumps take over
where our Class 60 Series pumps leave
off.

They are specifically designed to
handle oils having sufficient lubricating
value to provide a lubricating film
between mechanical parts that involve
moving members. This includes lubri-
cating oils and most fuel oils.

Our Class 60 Series pumps are
designed to handle fuel oils up to and
including 100 psig. This is not a safety
limitation but an experience suggestion
based on the fact that many fuel oils
have very limited lubricating charac-
teristics and the fact that the control-
ling longevity factor of positive
displacement pumps is bearing life. We
admit we are conservative and our
suggestions are based on our desire to
have our customers enjoy satisfaction
with our products. If our Class 60
Series pumps are run at higher pres-
ures, the pump life will be shorter due
to bearing wear.

Consequently there is a twilight zone
where our Class 60 Series pumps leave
off and our Class 66 Series pumps take
over. Both Class 60 and Class 66
Series pumps are subject to the general
hydraulic laws that involve cavitation.
In simple language this means that a
pump should not be run faster than the
pumpage will fill the displacement
chamber under the differential pressure
created while the pump is in operation.

Practical experience has indicated
that sizes larger than our Class 66-7
should not be run faster than 600 rpm.
This places our larger sizes in the re-
duction drive category since it has been
our experience that slow speed motors
in this speed range are not practical
for most applications.

We have, therefore, limited the di-
rect connected Class 66 Series to sizes
smaller than the Class 66-9.

IMPORTANT DESIGN FEATURES

1. Ports in end plate provide easy ac-
cess to pump interior and parts
replacement without piping dis-
assembly.

2. Pyramid tooth form provides max-
imum gear strength.

3. Flange mounting on end plates
can be supplied for mounting with
a machine drive.

4. Integrated Rotor and shaft pro-
vides strong assembly with no
weakening due to internal keys or
pins.

5. Dowel pin alignment facilitates ac-
curate assembly with proper work-
ing clearances.

6. Grooves vented to pump suction
eliminate gaskets and insure face
and end plate sealing.

7. Bearings are assembled close to
load to minimize shaft deflection.
Provision is made for renewal of
lubricant.

8. Combination bearing and shaft
seal minimizes damage from abra-
sive liquid.

9. Hardened idler increases pump
life.

10. Interchangeable return seal (not
shown) vents stuffing box to pump
suction to minimize chance of shaft
leakage while also providing sim-
ple change of rotation in the field.

NOMENCLATURE

Class 66 Series Pumps are classified
under our additive code. Thus, the
66-3 Pump head with foot is designated
66-3E. The reduction drive assembly
is designated by the letters RD or with
S bed plate SRD. The 66-3 reduction
drive unit is designated 66-3ESRD,
and the 66-3E pump head with coupl-
ing and base plate for motor drive is
coded 66-3EMD.

CHARACTERISTIC CURVES

DATA BASED ON APPROXIMATE OIL
VISCOITY OF 200 SSU. SUGGESTED
HORSEPOWER WILL VARY WITH
VISCOITY OF OIL.
SALES REPRESENTATION

HOME OFFICE
We have reserved the areas of Connecticut, Delaware, Metropolitan New York, including the Hudson valley, Long Island, New Jersey and eastern Pennsylvania less Philadelphia District for coverage by Kraissl Company personnel.

Northeast Region
John S. Stone
P. O. Box 247, Holcomb, N. Y.
Williams Bros., Inc., 70 Commercial St., Portland 3, Me.

Eastern Region
Boston-Cooper Company
95 Holland Street
Somerville, Mass.
Valley Equipment Company
4105 Northern Pike, Monroeville, Pa.
J. W. Pearson Co., Box 282
Hatboro, Penn.
Shanklin Company
330 East 25th St., Baltimore, Md.

Southeast Region
Power Equipment Co.
1307 West Main St., Richmond, Va.
Dillon Supply Company—Main Office
Raleigh, N. C.
Dillon Supply Company
Durham, No. Carolina
Dillon Supply Company
Rocky Mt., No. Carolina
Dillon Supply Company
Goldsboro, North Carolina
Dillon Supply Company
Charlotte, No. Carolina
Boiler Supply Company, Inc.
490 Craighead Street, Nashville, Tenn.
2006 Sutherland Ave., Knoxville, Tenn.
Applied Engineering Co., Inc.
P. O. Box 506, Orangeburg, S. C.
Spotswood Parker & Co.
513 Techwood Drive, Atlanta, Ga.
T. W. McCuiston
540 S. W. 69th Ave., Miami, Fla.

North Central Region
Charles R. Davis
2970 W. Grand Blvd., Detroit, Mich.
Heltrel Equipment Co.
1904 Clyde Park Ave. SE
Grand Rapids, Mich.

Central Region
W. G. Taylor Co.
1900 Euclid Bldg., Cleveland, Ohio
The Jordan Engineering Co.
7401 Shewango Way, Cincinnati 43, Ohio
T. A. Heidenreich Co., Inc.
5250 Keystone Ct., Indianapolis 20, Ind.
Lowden & Company
3404 N. Harlem Ave., Chicago, Ill.
A. K. Howell Co.
1001 Bellevue Ave., St. Louis, Mo.

South Central Region
Creole Engineering Co.
2617 Banks Street, New Orleans, La.
Albert Sterling & Assoc., Inc.
2611 Crocker St.
Houston, Texas
I. P. Newby & Assoc.
4431 Maple Ave.
Dallas 9, Texas

Northwest Region
Bruce P. Rutherford Co.
1954 First Avenue South, Seattle, Wash.

Western Region
A. C. Cope Co.
435 Bryant Street, San Francisco, Cal.
Power Engineering Co.
1806 South State St., Salt Lake City, Utah
Thermo Tech Products Co.
1400 So. Lipan
Denver 23, Colorado

Southwest Region
Wagner Hydraulic Equip. Co.
10814 Santa Monica Blvd.
Los Angeles, California

Canada—Ontario and Quebec Provinces
Kirk Equipment Ltd.
1460 Bishop Street
Montreal, Quebec, Canada

Canada—British Columbia Province
Fred McMeans & Co.
1608 West 5th Avenue
Vancouver, B. C., Canada

FRUSTRATED WIFE

The lady has just discovered a letter which she asked her husband to mail six months ago, in the pocket of his jacket on which he asked her to sew a button.

"Just a routine check, Sir, to see if the service is satisfactory".

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