HIGH FRONTIER
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Those of us who sincerely wish to
preserve this country for ourselves and
posterity have an alternative to the
MAD Philosophy which is truly incom-
prehensively insane. The word MAD
originates from *MUTUAL
ASSURED DESTRUCTION* and is
aptly named. There might
have been some
justification for
its being be-
lieved in the
beginning but
with a would be
world conquerer
building
underground
shelters, it is ridiculous to assume this
is being financed to perpetuate a myth.

It is not always wise to disclose
details but enough is essential to be
convincing and justify this “Freedom
Insurance.” When you come to think
about the matter we spend fortunes on
ordinary insurance and our confidence
in the agent who sells us the policy.
Following this same line of reasoning
we should have more confidence in a
retired Lt. General who would share
with us the result of a disaster if
anything went wrong, which would not
necessarily be true of the firm who
supplies ordinary insurance.

Very little publicity has been granted
to the reported shoot down in June
1984 of an ICBM war head in space
using off the shelf technology. This
should prove that it can be done and
explains why there is so much activity
by opponents of High Frontier to this
approach. It is High Frontiers proposal
that our strategy should be revised and
that our purpose should be MUTUAL
ASSURED SURVIVAL. It constitutes
its own Arms Control Measure, in that
it removes the nuclear ballistic missile
as an absolute weapon.

It seems that this sword of Damocles
hanging over the heads of current and
future Americans should be removed
and that the era of terror should be
ended.

After all, our purpose is to live in
peace with all nations and the right of
self defense is inherent with all who
survive. Each species has its own
defense and human rights seems to be
what we are willing to export but it
should be sold not forced.

I vote for High Frontier.

POLITICAL PARTIES ARE
FOR POLITICIANS

A political party should be the
agency by which the voter gets the
candidate that nearest matches his idea
of the employee he wants in each
office. Make no mistake about it, all
the hoopla prior to the election that is
generated is just as much self appraisal
as the applicant that walks into your
office hoping to qualify for the job for
which you may have written the
advertisement.

I am a states rights man first, last
and forever, I do not believe the
Federal Government should be
entrusted with anything the states can
do for themselves. They can usually do
it better as they are more closely in
touch with the grass roots situation and
conversant with the local problem. I
think that if I were active in the era of
the war between the states, I would
have been a Democrat as this party was
then the party of states rights. Now,
the Democratic Party is invading states
rights more than the former Federal
Party ever dreamed up and the champi-
onship of states rights is in the
Republican Party.

It is dangerous to let ones self get
involved in political parties. It blinds
one to the collective effect of party
action. There should be no party loy-
ty on the part of the voter. The trouble
is parties gang up and take credit for
action which in many cases a free
thinking member initiates.

There might be justicating for a con-
servative party and a liberal party.
Even here there might be trouble with
semantics. According to my definition
a conservative lives within his or her
budget with exception of defense. A
liberal is anything else.

I only know and recognize a single
qualification, a patriotic American.
There was a time in our history when
we always got a Patriotic American,
whether Republican or Democrat.
Please God let us return to this
situation.

POSITIVE DISPLACEMENT
PUMPS

Our Kraissl Quarterly is designed to
bring you news concerning all products
on which we have standardized or
which we could supply if you need
them. We have bulletins on most of the
illustrated lines which go more into
detail. Please request any that may be
of interest, and bear in mind that our
purpose is to make available the best
design for each purpose and explains
our diversification.

Two issues in the recent past have
given information on our transfer
valves and our separators, one issue
devoted to each. This issue is devoted
to displacement mechanisms or pumps
for different services.

Air Pumps

Many people do not appreciate that
a Rotary Air Pump can be a vacuum
pump or a compressor depending on
which is the working port. We have
two basic designs, the roller displace-
ment mechanism designated our Class
21 series and a blade mechanism
designated our Class 25 series.

Class 21-Series - Is a mechanism that
is, hard to wear out. It is ideal for
handling corrosive gases or vapors that
clog up or gum up other mechanisms.
It is and has been used to pull gases
from recording apparatus, actuate.
vacuum filling machines and all around suction applications. It's limitation is the one line seal of the roller which makes its upper limit approximately 25" of mercury vacuum and corresponding lower pressure. If you operate in a lower vacuum range this mechanism could be of interest as it has many desirable characteristics.

Class 25 Series - The blade mechanism produces a better seal than the roller design and has a more universal application. Both use our force feed system of lubrication from an underneath oil reservoir like an automobile but in combination the blade mechanism produces a higher vacuum and corresponding pressure. Standard units can be supplied for 28" of mercury vacuum and in the vicinity of 50 psig pressure depending upon service and cooling conditions. If there is a quantity application for higher vacuum or pressure, it may be in the area of our Class 17 or 19 Design.

Class 50 Design - Is our roller pump converted to liquid service with appropriate design changes. It is an ideal dirty oil pump. The lack of close clearances combining both the characteristics of positive displacement and centrifugal designs make it desirable for many applications where iron and steel materials of construction are satisfactory. Ask for Bulletin Number A-1330.

Our latest development is our Class 25W1AC assembly which was made available for ejector service where water cooling is not available.

The design illustrated, shows how this has been done. The pump is motor mounted and the heat exchangers are attached to the motor mount. The liquid coolant operates on thermo syphon action and a bird cage type fan keeps the air in circulation so the ambient temperature is the basis for heat exchange.

While we consider this an improvement over direct fan cooled pumps, it is emphasized that water cooling from a water circulation source is the most efficient as water circulation can continue over a period when the pump is idle but it does provide many of the advantages of liquid cooling including the addition of anti-freeze solutions where this is climatically necessary.

With the expense of new patterns skyrocketing, we only propose to be guided by customers who desire this equipment and have initiated this model in sizes most used in the past.

Liquid Pumps

Because of the preponderance of centrifugal pumps on the market, we have limited our manufacture to positive displacement designs or special centrifugals for which there are few standardized units.
Best of all we believe it can still be manufactured at 10% less than the equivalent capacity of our Class 60 design where direct connected pumps can be used.

Does this not justify consideration?

Class 60 Design - This is the work horse of fuel oil burning systems. It has high suction characteristics. The V Belt is carried on separate ball bearing lubricated transmission support directly connected to pump by loose coupling precludes side pull on the pump shaft minimizing pump bearing and packing distortion. Return seal stuffing box minimizes leakage. By changing pulleys usually available at most hardware stores best speed for various viscosity oils can be obtained. Usually supplied with pulleys for 400 RPM use on heavy oils. Should be considered for coal slurries with minimum abrasion characteristics. Listed by Underwriters Laboratories and New York Board of Standards and Appeals.


Class 60H Design - This is a look alike pump that usually cannot be identified except by name plate but internal bearing construction is different permitting operating pressures of fifty percent increase. It can replace many applications that formerly used our Class 66 design.

Class 66 Design - This is an external gear pump that is now limited to the smallest three sizes as the larger sizes are in most cases replaced by our 60H series. Ask for Bulletin A-1847

Originally designed for supplying oil to mechanical atomizing oil burners, these pumps are not limited to this application. In actual tests at our plant a Class 66 Pump outlasted four other pumps on the same application for which we had used a competitive design before the 66 Series was available.

SPECIAL CENTRIFUGAL PUMPS
For original equipment applications where standard units cannot be used. Example vertical drive pump for sump mounting.