Annual Meeting of Members
October 23, 2011

Members present: See sign-in sheet

Board Members Present:
Deirdre Helfferich
Eric Glos
Nancy Burnham
Greta Burkhart
Monique Musick
Melinda Harris
Roy Earnest

Call to order 4:00 p.m.

Approved Agenda
Approved minutes

Presidents Report:
Written in annual report
Great year!
Not running for re-election
Time for new leadership
The board has been great- being on has been educational.

Vice President
Also retiring
Will remain on construction- see it through building
Power-pole in on the property
All electronics set-up
There's a light at the end of the tunnel

Treasurer
All the numbers are in the annual report
$31,6444 total income
$26,543.43 total expenses
$5,101.53 net

Secretary
Finished non-profit
Working on business plan

Grant & Fundraising
See report
Grant workshop

Branding- redesign, new web, independent look
Community survey
Membership drive

Membership survey
Lots of positive feedback
Online survey via surveymonkey.com
Sat at post office on Saturdays and some weekdays
Lots of feedback on the importance of a community building
Brings to attention the greater Ester area
This building goes far beyond the core village of Ester
There were some negatives, but it was overwhelmingly positive
There is a full report of all the responses available

How many people get JTEL information off the Internet web, Facebook, etc. ?
About 1/3 of assembled- others from signs

Needs and plans for upcoming year
The Lallapalooza will need to be reinvented

Committee members
Call for volunteers
We need help, Grants & Fundraising

The binders that Deirdre put together fully educate on the history of the library

If you don't want to be fully engaged (board member etc.) there are opportunities to help on specific projects.

Please keep a current e-mail with us so we can let you know what is coming up

Construction Committee
Lots of changes over the year
Went from two-story with rental
To one story with half basement
To one story full basement
In the end we wanted a sustainable building we can afford to heat and maintain
We can get money for building- not so much for operating
Brought in Thorsten Chlupp- showed us how to get there
No basement- the ground is too cold
This is an investment for the future
Some people wonder why we don't do something smaller
This serves us for the long term
A cheap building would kill us in operating expenses
The long-term value of this building will save us

Design Presentation
Matt Prouty and Thorsten Chlupp
USKH, Inc. and Reina, LLC

Thorsten:
Thanks to the board- this is the right way to build
You have to look into the future
This will be a milestone for the community
Matt has had to start over on design pretty often
We are building a building that produces its own energy
Costs almost nothing to run
Energy costs of two light bulbs
When you see how this works, everything else is stupid
It works in our climate, but no one is doing it

Matt:
In terms of redesign, the building went up to 3,200 square ft.
Changing the design for the sake of codes
New ADA requirements- redesifn or pay to keep it permitted
The ramp out needs adjusted
New requirements for bathrooms- 5' now, used to be 4'
Will need to make the bathrooms bigger
We purchased 16 bookshelves from Monroe (saved tons of money too!)
Need to make sure they meet shelf height requirements
It is acceptable to have out-of-circulation high shelves as storage
Site design is 100% ready to go

Thorsten:
Explain the system
Key principals
Build high efficiency- insulation
Passiv haus standard
Established in Germany 20 years ago
Thousands in Germany
75 in the united state
If it was 0 energy it would produce all its energy
The best is one that is almost zero energy
So efficient it needs no conventional heater
Purchase a lot of insulation (19 tons for JTEL!)
Keeps you warm
Insulating to a level that our heat demand is down to 4.5- about two hair dryers
(Or 20 kids running around- they're 60 W each!)
Sophisticated computer modeling software
Calculate passive solar gain
Figure out how much insulation is needed
Have 4 houses like this under construction in Fairbanks

Yes, it works in this climate
Supplement with renewable energy
December and January we must supplement
Store heat with mass and a 12,000-gallon water tank
Sits under the center of the building
Heat storage
Masonry heater- massive fireplace, efficient burning
Stores energy from the fire
Ties in to water system
Solar heating
Oriented south
Has 64' of heat collection area
Solar collectors
Custom built for the building
Water-filled copper piping, insulated box, efficient glazing
Integrated into the roof
Save 40% by building collectors ourself
Drains back to the tank
Liner will need replaced 15-20 years
Heat travels down the masonry chimney, stored in the tank
If there is any demand in the summer the system will turn on
Need all the final numbers to enter in to the modeling software
PV panels- to produce electricity
Produce all summer and sell back to the grid
In the winter you buy back from the grid
Balances out at year end
All electronics are figured into the calculations
As efficient as possible
Hardly any cost to produce the energy
Compared to a boiler with cleaning needs, there is almost nothing to this system
Not having a heating bill is very nice

Get questions about diminishing returns on insulation, above 56R
Measurement of R-values vary by materials
R-value is not the only factor
Values are tested in perfect conditions, 70 degrees
Reality is different
A dense-packed cellulose wall will take 14 hours for heat to travel through
Heat travels through foam in 5-6 hours
South and west walls never loose their energy
Thermal energy only knows to travel from warm to cold, when the outside warms heat-loss reverses
Building requires thermal shutters, close off the windows at night
Even the high-performance windows are R 7
North facing windows are always a loss
Sunshine is free energy

The floor, stained concrete, will collect the heat from the sun coming in through the southern windows
From February on the building won't need supplemental heat
Thermal flywheel
There is glycol in the solar thermal collector
Goes through a plate exchanger
Heat is stratified through a custom system in the tank
This building will take building design into the future
As a designer, Matt really appreciates the opportunity to learn this
It is hard to assess or appraise this building
It is good to prove that it works
Getting a lot of interest because it is happening in Fairbanks
If it works here, it's got to work anywhere
Need to showcase that this technology works
Payback on the building is 4.8 years
On a commercial building, conventional building, looking at the costs of the lifespan, 84% of the cost is in operating funds,

From a funding perspective, we can show what we will save by building this way

Policies
Incorporation- done, we are 501(c)(3)
Business plan, underway
$35,000 - $150,000 depending on staffing and level of expenses
Fundraisers important
Staffing will be grant dependent
Memberships, and income, will increase when the building is complete

Board conduct, duties- describe what the board does
Collections policy- proves that there is a policy and it is not based on individual taste
Membership- will upgrade from Excel to GiftWorks

Membership policies amended
MOTION- Trey, as written in agenda
Molly- Second, all approved

Procurement- Alaska/local preferred

Endowment- Set up with Alaska Community Foundation
Looking to get $1 million in the endowment

Membership drive-
Looking to get up to S12,000 a year from memberships
Delivered membership envelopes house to house
Expanded from $5 to pay-what-you-will minimum $5

Programs-
Set up a seed library program: Growing Ester's Biodiversity (GEB)

Library lectures-
Third Wednesday of the month in Hartung hall
Open to new people to give lectures
Looking for more volunteers

Program policy
Recommend ideas, such as a reading group, how it works, partnerships, budget

Seed library program- Growing Esters Biodiversity
There are 20 in the US
Check out seeds- grow them- save them
Lots of partners, Calypso, Grey Owl, SNRAS
Participating in Food Day, Wood Center 11 a.m. to 4 p.m.

Construction program
Full-scribe log cabin building workshop
Build a Caretakers cabin- service and income
Community project- in-kind, tuition- community-wide interest
Working on partners- licensed contractor, instructors, materials, transportation, budget, design, site planning

Outhouse- cordwood building (not really efficient, but its an outhouse)
Will also be volunteers and workshop based

Elections-
Duties descriptions:
Interest in library
Meet monthly
Participate in a committee
About 5-8 hours depending on the month, plus fundraising

Nominations
Trey Simmons
Nancy Burnham
Monique Musick
Jan Ohlmsted
Molly Rettig
Move to close nominations

MOTION- Monique-Move to vote by acclamation
Try- Second
All AGREE

All Five candidates in by acclamation
No opposition

Readers of the Run is now an official event for Running Club North
Attended their annual meeting last Wednesday
Will hold the event the first Sunday of October

MOTION: Trey Adjourn 5:50
Melinda- second