

Metro Detroit Metalworking Club

DECEMBER 2004

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Message from John Osborne, MDMC President.

*I see the club changing now. I saw it at this past meeting. Joe Pietsch's book report idea should become a common if not regular feature of a meeting. I want to do one next time. They could also be published in the newsletter. Leonard Kopich may have started something else when he asked me for a biography. I think we all want to know more about our fellow members. Lets do one or two each meeting. Our experiences vary widely and we have no minimum requirements. Newcomers to the metal-working hobby should say what they want to learn more about, and I know our club members will offer to help. Our club webmaster, Dan Hittenmark, mentioned the club website could have links to any club member's websites. Another good idea. This club is loaded with talent and resources. Lets spread it around.

*Thanks to all those who have paid their dues. Dues are being handled in a careful, formal and professional way by Al Campbell. The club has a checking account and receipts are given. The newsletter will soon stop for those who have not paid their dues.

VMC

*I hope everyone enjoys the coming holiday season. During the long, cold Winter that follows, one thing that helps me get through it is the Metal Club...

Next meeting Dec. 8/04, Room T-120 opens by 7PM , meeting starts at 7:30 . See you there. *John Osborne.*

Minutes from November 2004 Meeting

-Meeting November 10 at MCC started at 7:35pm with John Osborne presiding, 22 Members present and 3 Guests, and 3 various sized itinerant bodies making random reciprocating appearances!

-The "As Printed" minutes from October/04 meeting were passed.

-John O. reported that Larry Chenault's health and condition has not changed, but that he has been re-located to a different room than before.

-John Lee noted that he was unsure as to the "contact" person was for Larry's tools, so it was left blank in the November newsletter. John O. suggested that his name be used for future issues.

-John Lee also reported that the place where he gets the newsletter photo-copies made has a Bridgeport for sale. No details of the mill, so contact John Lee if interested, and he will arrange contact.

-John O. then reported that "Gecko Drives" is having a "Customer Appreciation Sale" on their products, and that some of their stepper motors are of excellent value. Maybe for 25 years of being in business? The sale is on-line at <http://www.geckodrive.com/>

-Al Campbell noted that two or three of the clubs officers are out-of-pocket and still floating the cost of printing

the newsletter, as the dues income hasn't been enough to cover printing and mailing costs as yet.

-The December mailing will be the last newsletter sent to anyone who has not paid dues, and the last hard-copy sent to anyone that John Lee has not received the required Self-Addressed-Stamped-Envelopes from.

-Herb Cook, who is also a Director of NAMES, said he heard that maybe MDMC would like to drop the MDMC Metalworking Demonstration Booth, as it has not been well staffed that last two years. Herb said that the NAMES Directors felt that staffing this area was of prime importance, and required. The space occupied is valuable to NAMES, and they don't mind donating it, but want it put to good use and active. A long discussion ensued about MDMC's attendance at NAMES2005. Net result is that Bob Weber is to make up a time-slot chart for members to provide staffing of the MDMC demonstration booth, so that there is no period of non-

activity. If there is not enough volunteer support and time-slot coverage, MDMC would "lose" the booth set-up.

-Business part of the meeting ended about 8:20 and Show & Tell (S&T) followed immediately.

*****HAPPY THANKSGIVING TO ALL!*****

DON'T FORGET DECEMBER MEETING IS A "SWAP MEET".

S&T



-Emil Cafarelli showed a nice quill stop for a mill or drill-press that indexes and locks so it can't move either accidentally or from machine vibration once it is set/locked. Ask Emil for details, but it looked like about a 3/4"-20TPI threaded rod/shaft of specific length to suit the machine it is made for. It has flats to about half its thickness, except at the ends where it would be held in place where the original stop went. There is a brass collar, that fits rather loosely over the rod flats and cannot turn, which when free can slide easily up-and-down along the rod, and it has a small locating pin parallel to the rod. Also, a round knurled threaded brass nut that screws on the rod, and it has a series of small holes parallel to the bore, and which the pin in the locking collar will fit into. When assembled and mounted, this allows running of the nut on the new depth-stop rod to the desired depth stop position, then putting the locking collar over it so that the threaded nut cannot move. Requires a very positive action to change setting, so it can't "move" on its own.

-Joe Pietsch did a really fine and in depth book report on "Draw The Lightning Down...Ben Franklin " by Michael Brian Schiffer. Sounded like a very interesting read, and had some good info. In fact, it brought Emil and Leonard and others into action and lead to a lengthy discussion on lightning and electricity and the construction of a Leyden jar. And then explanation of a simple experiment diagram showing the principles of the first spark-gap radio transmissions, complete with schematics on the black-board. Very well done by all involved, and I hope Joe has set a good precedent here about using book reports at the meeting. We all now have a hard act to follow though!!

-Leonard Kopich showed some nice little diamond wheel disks that are on sale special at Harbour Freight. Ostensibly for a Dremel or other rotary hand tool, but would have lots of other uses. I think he said they were on sale for \$2.50 for ten pieces = 25 cents each. Good deal!



-Brian Lawson had a home-made collet chuck suitable for 6" to 10" size lathes with threaded spindle-nose, and samples of making simple home-made collets to suit. Relatively light-weight, and it uses what is called a "single-angle" or "single taper" type taper. Has a max useful material chucking size diameter of a little over $\frac{3}{4}$ " capacity, which is sufficient because the 6 to 10" lathes don't go much bigger than $\frac{7}{8}$ " spindle bore. Useful for those of us that don't have 5C collets, or if you don't want to have to lift and mount the larger 5C chuck (like those shown last meeting) for small jobs.



-Bob Fuhrman had a nice double-ended tuning/alignment tool, made from a wooden dowel with a plastic "nut driver" on one end and copper on the other, along with the broach Bob made to cut these ends to suit small potentiometers or capacitors used to tune-up radios and TV's and other electronics. These small electronic components can be affected by the steel in a standard screw-driver.

-Leonard may also have started a nice monthly meeting topic, when he asked John O'... "Who ARE you!?!?" John was non-plussed, answering that he has been an Industrial Consultant, Partner in a Machine Shop (in Texas), a Data Processing Programmer, and a Networking guru, and presently Owns and Operates 'AirCastle', designing and manufacturing CNC controls for adaptation to punches and punch-presses.

-Dick Triemstra showed a very old South Bend "Direct Factory Service" original card (laminated for preservation) describing warranty and service centers, and showing rates, parts, and lubrication points.

/F lenicnuq'j cpf gf 'qww'j ku'rvguv'Vqqn'Ecvcnqi wg0'Uqo g'i qqf 'uwhh'j gtg##'Y j gp'uo gdqf { 'cumgf 'j qy 'aq' r tqpqwpqeg'j ku'pco g.'j g'f'kf'j ku'wucn'Suj twi \$. 'cpf 'uckf'j g'r tqpqwpqegu'k'Vtgg0 /Utcj . 'dw'y j gp'j ku'y kgy' cu' r tgi pcpv'cpf 'y qtnkpi 'cv'y g'j qur ken'uj g'y cu'O tu0Vtk'o guvgt##"

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/UQO GQP G**y j qqr u0uqt { . 'dw'kf kf p)'o cng'c'pqg'cu'q'y j q'k'y cu' (F leni0 c { dgAA'dtqwi j v'c'ro kpcv'f " uj gg'v'uj qy kpi 'c' t'guv'gtf "Y Y 4 [cng'ckr rpg'j cv'ku'r t'gug'v'v' hqt'ucrg.'cpf 'y j lej 'j cf 'dggp'wugf 'kp'c' lko o { " Eci pgf 'o qxkg'o cp { ' { gctu'ci q0'Uqt { 'j cv'y g'r j qv'f'kf p)'wtp'q'w'y gm'gp'qwi j 'q'r t'k'v'j gtg.'dw'k'c'p { dqf { " j cu'8322.222'WU'ht'j g'r rpg.'K'm'v' { 'q'i g'v'c'r j qpg'pwo dgt0Editors.note: There were a number of photos taken at the meeting, but in particular these laminated cards had "sun spots" from the flash so as to be unreadable, so I don't think they will publish well here. If anybody really wants to see the pix, lemme know and I'll send a copy to you. "

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Nqu'q'h'eapxgtuc'k'qpu'gpw'gf 'chgt'j g'U V.'cpf 'j g'i w'j u'y gt'g'i qkpi 'utqpi 'y j gp'K'gh'cv'; RO '0' Cp'f 'hqt'o g' *eqp'v'ct { 'q'r'eu'v'o qp'j +pq'j cu'ng'qt 'g'xgp'um'y /f qy p'cv'y g'dqt'f gt.'uq'o { 'v'kr 'j qo g'y cu'xgt { 'h'cu'cpf 'r t'gw'f " w'p'g'x'p'v'w'n'g'zegr v'uggkpi 'o c { dg'h'x'g'qt'ukz'f'k'ht'gp'v'ht'o gtu'cm'pi 'j g'y c { 'u'k'n'q'w'e'qo d'k'p'kpi 'j g't'et'qr u'cv' p'g'ct'n' 'o k'f'p'k'j v'y cu'c'dk'w'v'v'r t'k'k'p'i . 'cpf 'cv'q'p'g'q'h'y go 'c'dk'v'ur q'q'n'f 'uggkpi ""j t'gg'ug'u'q'h'j gcf /rki j u'lp'c'h'gr'f " q'p'g'w'o g##""V'j q'wi j v'Ky cu'v'k'gf 'cpf 'j cm'ek'p'cv'kpi #"

Ugg' { c'cv'y g'o ggkpi ""V'cng'ectg0D'tk'ep'N'cy uqp "

===== "

TREASURES (Stuff I'm Selling) N' TRASH (Stuff You Don't Want dwI Might)''

, , 'D'tk' i gr qt v'ht' 'U'crg' '0' P' q' h'w'v'j gt' k'p'q' c'x'c'k'v' d'ng'f ' e'q'p'v'ev' 'L'q'j p' 'N'gg'0'

/N'ctt { 'E'j g'p'c'w'w'u'w'w'h'h'w'w'n'k'ht' 'u'c'rg' 'i' e'q'p'v'ev' 'L'q'j p' 'Q'ud'q't'p'g'0'

/ (F leni'V'tkgo utc'j cu'c' 'NQ'V'ht' 'u'c'rg'f ' e'q'p'v'ev' 'F leni'0'U'j q'r /

/J cf 'p'q' d'k'g'u'q'p' 'j g' u'w'v'k'c'g' 'i' t'k'p'f' g't. 'uq' 'k'u' 'T'G'c'N'N' ['e'j g'c'r 'p'q'y ' e'q'p'v'ev' 'D'tk'ep' 'N'cy uqp "

/U'j q'r 'j g'c'v'gt'0'P' c'w't'c'r'i' cu.'p'g'g'f' u'p'q'g'r'g'v't'k'k'f' { ' e'q'p'v'ev' 'D'tk'ep' 'N'cy uqp "

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Larry Chenaults Shop Stuff For Sale''

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Logan' Lathe - Nine inch swing 24" bed Logan Model 100 \$1,000. "

Six inch three jaw chuck, Six inch four jaw chuck, Six inch faceplate, Center rest, 1/2" "

Tailstock drill chuck, 1/4" Tailstock drill chuck, Eight tool-holders for 1/4" bits, knurls, cut-off blades, etc., Dead centers - Taper sleeves - mandrels - lathe dogs. Numerous small tooling. "

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Nesco Model 13 **Drill Press** - Floor model - 250. "

Five speed, 1/2" Capacity, 6-1/2" drill center to column (clearance for drilled materials). "

Drill Press - bench model, 3/8" drill capacity, 4" clearance to column.	100.
7" Shaper - Mfgr unknown, probably Atlas	700.
Seven inch stroke. Needs work but an excellent home workshop machine.	
Horizontal Mill - Atlas bench type	700.
No model plate but in similar condition to shaper above.	
Rebuilding would provide an excellent home workshop machine.	
Table Saw - Heavy cast iron, industrial quality, in good shape. A good buy at -	250.
Radial Arm saw - Sears Heavy duty with Electronic Measurement	250.
Sander - Combination belt/disk, 1/2 HP, 2" by 42" belt and 6" disk abrasives	50.
Darex Drill Grinder - - pedestal mount - excellent condition	400.
Magnetic Chuck - 11" by 5"	80.
Gage Block set - Van Keuren - 82 blocks (10 blocks missing).	200.
Wells Band Saw - Cut-off type Heavy duty industrial - 8" bar capacity	500.
Air Compressor - Twin cylinder, Two stage	150.
Sand Blast Cabinet - bench mount	100.

In addition to the above, Larry has many drawers of **hand tools**, racks of **steel stock**, pipe **fittings** and small electric **drills**, etc. Make an offer by lot. All proceeds will be turned over to Larry's family for his benefit.

CONTACT FOR LARRY'S SALE IS JOHN OSBORNE... -