VISION
Being a vibrant membership based apex body coordinating apiculture industry in Uganda for sustainable national development.

MANDATE
Being a national apex body that coordinates initiatives of stakeholders in the apiculture industry.

TUNADO Philosophy
"We believe in promoting apiculture as a business enterprise."

Mission
To provide a national platform for stakeholders to promote and develop economically viable and environmentally sustainable apiculture industry in Uganda.

Core values
- Accountability
- Good Governance
- Innovation and Voluntarism
- Non-discriminatory

Goal
Membership, advocacy, lobby and apiculture promotion.

OBJECTIVES
- To bring together all people involved in the Beekeeping industry into active and gainful commercial production of honey especially for the rural poor.
- To contribute to policy formulation and implementation processes pertaining to the apiculture industry in Uganda.
- To protect the National bee colonies from diseases, infections infestations, and interferences of a harmful nature of whatever manner, so as to maintain the productive quality of the indigenous bee species.
- To conduct research and disseminate knowledge pertaining to the apiculture industry in Uganda.
- To collaborate with any other Beekeeping related organizations and firms all over the world hence, soliciting for local, regional and international markets for hive products.

Upcoming events
3rd Honey week Forest mall Lugogo, 27th Aug – 1st Sept 2012;
API-expo Ethiopia
26th - 29th September 2012
Honey Trade Show UK
25th - 27th October 2012

Membership
TUNADO is a membership and national apex body mandated by the Government through the Ministry of Agriculture, Animal industry and fisheries (MAAIF) to coordinate the apiculture sector in Uganda. Currently its membership is open to individuals, Institutions, Non-Government Organization, Companies and associations or other persons involved in Apiculture development in Uganda. This membership is renewed annually and is based on the following categories:

<table>
<thead>
<tr>
<th>Category</th>
<th>Membership Fees in Ugx shs</th>
<th>Annual Subscription Fee in Ugx shs</th>
</tr>
</thead>
<tbody>
<tr>
<td>Associations, Processors Corporate Membership</td>
<td>100,000/=</td>
<td>200,000/=</td>
</tr>
<tr>
<td>Registered Groups/GBOs</td>
<td>100,000/=</td>
<td>100,000/=</td>
</tr>
<tr>
<td>Individual</td>
<td>100,000/=</td>
<td>50,000/=</td>
</tr>
<tr>
<td>Honorary membership</td>
<td>FREE</td>
<td>FREE</td>
</tr>
</tbody>
</table>

If you are interested in receiving this Newsletter, please contact
TUNADO
Plot 76, Buganda Road. P.O. Box 8680, Kampala - Uganda.
Tel: +256 414 258 070 Email: info@tunadobees.org Website: www.tunadobees.org

Donate to support the beekeeping communities in Uganda; contact info@tunadobees.org

This publication is supported by Comic relief under The Uganda Honey Trade Project
The implementing partners are;
Bees for Development (UK), Kamwenge Beekeepers Cooperative Society (KABECOS),
API Trade Africa and The Uganda National Apiculture Development Organisation (TUNADO).
The 3rd National Honey Week
The Uganda National Apiculture Development Organisation

Theme: “Beekeeping a Leverage for National food and insecurity

Venue: Forest Mall Lugogo
(shoprite/game shopping centres)

Date: 27th Aug - 1st Sept 2012
ENTRANCE IS FREE TO THE PUBLIC

Come taste honey and learn more about the role of Bees in Generating income and food security
For further information Call: 0414258070 or email info@tunadobees.org

Supported By:

4 Beekeeping Training
1 Chairman’s message
Content
9 API Price watch

W ecome to yet another exciting issue of our API-News letter. We bring you updates about the just concluded AGM and the new BDD as well as highlights of the MSF. You will also read about the launch of the beekeeping training and strategy by the ministry. There is a special feature on honey wine as well as a comparison of honey and table sugar in terms of the nutritive value. Do not miss to read about our featuring members and how beekeeping has improved their livelihoods plus a poem on the honey. And in our columns read about honey and how it related to the bee plus the innovative kitchen style honey sweet recipe. The api-price watch brings you information on the different packaging materials. Enjoy reading the articles

Views and comments are welcome
If you wish to contribute articles for the newsletter, please contact
info@tunadobees.org

Editorial Message

1 Chairman’s message
3 MSP workshop
4 Beekeeping Training Manual Launch
5 Honey and Nutrition
6 Honey Wine
7 Featuring Members
8 Bee Poem
9 Honey and the Bible
9 Kitchen style
9 API Price watch

Honey and the Bible

J ohn the Baptist survived on honey.

I welcome you to this column again of honey and the Bible. In the last issue was about John the Baptist was to live today he would be coming from these homes termed as “humble”. Looking at the personality of John the Baptist whose clothes were made of camel’s hair, the only point of survival for such a poor man was honey. There are many poor people even in a worse situation than he was and to me there is hope that the Lord provides. The beekeepers, packers and processors all are able to survive by earning a leaving from the honey naturally produced by bees.

The lessons drawn are that if John the Baptist was to live today he would be coming from these homes termed as “humble”. Looking at the personality of John the Baptist whose clothes were made of camel’s hair, the only point of survival for such a poor man was honey. There are many poor people even in a worse situation than he was and to me there is hope that the Lord provides. The beekeepers, packers and processors all are able to survive by earning a leaving from the honey naturally produced by bees.

We could also look into other uses of honey to confirm its true relevance as far as livelihood is concerned says its medicinal values, boosting the energy levels a great natural source of carbohydrates which provide strength and energy to our bodies, honey is known for its effectiveness in instantly boosting the performance, endurance and reduce muscle fatigue of athletes. Powerful immune system booster, its antioxidant and anti-bacterial properties can help improve digestive system and help you stay healthy and fight disease.

Nelson Mwesigwa
0773140840

Honey, a sweet recipe

D ear readers, welcome to more exciting Kitchen style tips with honey. Using honey as recipe in all your cooking, baking and beverage preparations, you will never go wrong.

The word honey sounds sweet and lovely in nature, used in social circles of life, therefore it is very important to keep a jar of honey all the time on the kitchen shelf. The Honey jar should always be positioned in a strategic place in the kitchen so that there is no chance of missing it when cooking.

Honey is not only perfect for sweet recipes, like desserts, but with its unique, rich flavor, honey can also enhance main dishes featuring fish and meat, as well as vegetarian stir fry and salads. Using honey in a wide variety of recipes may allow us to tap into its powers as a regulator of “friendly bacteria” at the same time that we enjoy its delightful flavor.

More to cooking, honey is used in baking cakes, cookies, biscuits and butterballs to mention but a few. Please try out to make butterball following the steps below.

Ingredients:
2 - tablespoons butter at room temperature.
3 tablespoons honey.
1 cup all purpose flour.
3 tablespoons powdered sugar.
2 teaspoons baking powder.
1 tablespoon salt.
1 cup finely chopped toasted nuts.
3 tablespoons sifted powdered (confectioners) sugar.

Preparation:
• Cream butter in a large bowl, beat in honey, gradually stir in flour, salt, and vanilla extract.
• Mix nuts, wrap dough in plastic wrap and refrigerate for 1 hour.
• Roll dough using your hands in 1 inch balls.
• Place onto ungreased cookie sheets 2 - inches apart.
• Bake for 35 to 40 minutes until dark golden brown.
• Remove from oven and cool slightly on racks.
• While baking cookies, place the powdered sugar in a shallow dish.
• While cookies are still warm, roll the cookies in powdered sugar.
• When cookies have cooled completely, roll them again in the confectioneries sugar to give them a nice even coating of sugar.
• Store in an airtight container.

Butter balls ready to serve

Nelson Mwesigwa

In issue we bring you prices of packaging materials.

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<th>Specification</th>
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<td>M350</td>
<td>360</td>
</tr>
<tr>
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<td>5</td>
<td>Air tight bucket</td>
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<td>6</td>
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</table>

TUNADO • June 2012

Nelson Mwesigwa
Chairman's Message

Welcome to the 4th edition of the informative and exciting ApiNews newsletter which is devoted to giving you information about the tiny insects/animals the bees which are important because they pollinate a third of the food we eat. Not only that the bees also provide us with the finest natural sweetener which contains sugars, minerals and vitamins.

I take this opportunity to talk about our recent concluded AGM on the 7th of June 2012. This was a special and important AGM because it was also the AGM where a new Board had to be elected as provided for by the Memorandum and Articles of Association of TUNADO. At the AGM the Chairman presented the Annual Report which included the Audited Accounts of the Association by Byamukama and Kwmala Certified Public Accountants. The Annual Report also included the highlights of TUNADO Strategic Plan 2012-2017 which interalia focuses on four major areas namely: Policy engagement and advocacy; membership servicing; high level apiculture promotion and institutional strengthening.

As expected the most exciting activity was the elections of the new Board. The elections were presided over by Ms Ruth B Musoke Director Membership Services, Private Sector Foundation as the Chief Returning Officer. She was assisted by Alice Kangave, the Principal Entomologist Officer-MAAIF. At the end of the elections the following were elected to the new Board:

Mr. Jjura Mcpeace Jackson: - Re-elected Chairman unopposed and also representing West Nile Region
Ms. Evas Mugabi:- Elected Vice Chair person and also representing South Western
Mr. Biryomumaloish Dickson:- Becomes Secretary to the Board by virtue of his position as Executive Director of TUNADO
Ms. Lacot Mary: - Elected Director Northern Uganda
Mr. Oluga George: - Re-elected Director Mid Northern

A slot for the academia and civil society was to be filled in due course depending on the need of TUNADO.

As you may recall when the outgoing Board was voted in office in March 2008 they were charged with the task of amending the Memorandum and Articles of Association. Early 2011 a committee was formed under the Chairmanship of Mr. Madira Davidson to propose the required amendments. The Committee made their propositions and these were approved by the AGM (June, 2012). The highlights are that the Board was expanded to represent the seven ecological regions and 2 slots were given to represent the interests of Packers and Processors and one slot has been created for the academia or Civil Society or Government. The slot will be filled after the Board decides on a specific agenda where the representatives input will be required. The position of the Treasurer was quashed and instead the Executive Director as the Accounting Officer is expected to perform the duties. Further more the Executive Director was made the Secretary to the Board as an Ex-Officio member of the Board. The terms of office was increased to 5 years instead of 3 years. When these amendments were tabled before the AGM (June, 2012), they were unanimously approved.

At this juncture I want to take this opportunity to thank the electorate for giving me their vote unanimously to continue serving them at the helm of TUNADO as Chairman. I assure you that I take the confidence and trust you have put in me to manage the affairs of TUNADO very seriously and I promise to do whatever it takes to move TUNADO forward. I call upon all the actors in the value chain big and small to join hands with TUNADO and work together like the bees and let our common yearning of moving TUNADO to grater height bind us together as one people.
The new Board was given orientation training (12th-14th July, 2012) in Introduction to basic Internet operations by Mr. Ainebyona Banneet of Makerere ICT Solutions; in Governance by Mr. John Marie Kyeiwaibye of PSFU, and in Interpreting Financial Statements and Resource Mobilisation and managing Personal Finances by Ms. Ruth B. Musoke, Director Membership services at the PSFU.

From the feedback form, it is evident that the participants were happy with the content, presentations, and it is hoped that the knowledge gained will be put to good use for the benefit of TUNADO.

In the week when the new Board underwent the training in Governance, the Ministry of Agriculture, Animal Industry and Fisheries launched The National Honey Show whose climax is show casing of Ugandan Honeys and other hive products, preparations are now in high gear. This years theme “Beekeeping a Leverage for National Food and Income Security” fits very well with the National Development Agenda of Prosperity for All as the majority of the rural poor stand to gain immensely if they do a mixed enterprise as beekeeping is an integral part of the major food crop production systems because of the pollination activities of bees. From the many inquiries about the event it is evident that this years National Honey Show will attract many exhibitors and visitors.

As part of Corporate Social Responsibility TUNADO is mobilizing items from actors in the value chain which will be donated to Mulago National Referral Hospital as part of the activities to mark the National Honey Show.

Apart from the preparations for the National Honey Show TUNADO with the MSP is arranging for a contingent to Mulago National Referral Hospital as part of the activities to mark the National Honey Show.

As you may be aware every end of August and first week of September TUNADO hosts the National Honey Show whose climax is show casing of Ugandan Honeys and other hive products, preparations are now in high gear. This years theme “Beekeeping a Leverage for National Food and Income Security” fits very well with the National Development Agenda of Prosperity for All as the majority of the rural poor stand to gain immensely if they do a mixed enterprise as beekeeping is an integral part of the major food crop production systems because of the pollination activities of bees. From the many inquiries about the event it is evident that this years National Honey Show will attract many exhibitors and visitors.

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A one on one; Nelson Mwinezi interviewed Hillary Besekya and narrated on how beekeeping transformed his life.

**Q:** When did you start beekeeping?

**A:** After hawking honey in Kampala for several years the quality was never consistent and led to loss of many customers. I started beekeeping 1984 as a young man with only 6 local hives. With my small apiary I realized I would not get enough honey so I mobilized other beekeepers from whom I would buy the honey to increase my volumes.

**Q:** What inspired you most?

**A:** The high rate of hive colonization of the hives and this meant high honey production as well as good income. Credit is given to the presence of abundant vegetation cover in Queen Elizabeth protected area, forests in Kasese and Bushenyi.

**Q:** How has beekeeping improved your livelihood?

**A:** Through various trainings we have been able to get skills to produce quality honey which has increased our market base. On average I can earn UGX 600,000 per season from whom I would buy the honey to increase my volumes.

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Honey and Nutrition

The role of Honey in the daily diet

Beekkeeping activities, especially the commercialization of honey, can significantly contribute to food security. We also know that good health plays an important role in sustaining livelihood activities. In fact, people with poor health are more likely to fall ill or experience physical weakness. Beekeepers are aware that honey is a good source of carotenoids (carbohydrates) and consequently an energy booster for people who carry out hard physical work such as working on the field, or carrying heavy loads. Honey is also said to improve physical performance, resistance to fatigue, and to increase mental efficiency thus an excellent food for children and students.

The question you may ask is if honey contains sugar, will it make a difference to table sugar? Why should we also be concerned about how much sugar (carbohydrate) we eat? Carbohydrates are a basic energy source. Honey is made from nectar (water) and enzymes unlike sugar.

- Honey facilitates digestion and is useful for chronic and infective intestinal problems such as constipation, diarrhoea, ulcers and liver dysfunction, because of the enzymes contained in it.

The table presents the composition of honey and Granulated sugar in one tablespoon:

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<th>Nutrient</th>
<th>Units</th>
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<td>g</td>
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<tr>
<td>Pantothenic acid</td>
<td>mg</td>
<td>0</td>
<td>0.005</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

From the table this is evidence which convinces us that honey should be part of the diet and should not be neglected. Furthermore nutritionists and other food experts are still researching more on the nutritional value of honey to humans.

Solveig Hoise Nutritionalists FАО-TECA

The launch of the Training Manual and Strategy to increase the Rate of Colonization

T he launch of the two books: The National Beekeeping Training and Extension Manual. The Strategy to Increase the Rate of Colonization and the Number of Farmer Preferred Beeslines took place at Fairway Hotel on Friday 13th July 2012. It was presided over by the State Minister for Agriculture Industry Honorable Bright Rwamirama and was witnessed by a number of sector players in the leadership of The Uganda National Apiculture Development Organisation (TUNADO) the coordinating body in Uganda to whom the first copy was handed. When the minister was asked on the ministry position on the National Apiculture Policy and National residue monitoring plan, he pledged continued support towards the realization of these two issues.

The books were developed by MAIF under the Farm Income Enhancement and Forest Conservation (FITEFDC) project in nation-wide consultation with the sector players. The books are very important and timely for the sector and their use and implementation will help harmonise apiculture trainings as well as overcome the critical issues affecting the development apiculture sector. Interventions through these books will greatly contribute the raise of the household incomes and standard of living of the rural poor beekepers and contribute to the overall national economic development of the country.

Appreciation goes to the African Development Bank (ADF) and Government of Uganda (GoU) for funding the FITEFDC project plus the team of expert who were involved in the production and documentation of the two books. The books are available with the Ms Alice Kanguve, Principal Entomologist (MAAIF), and you can register with TUNADO to access the books from MAAIF.

Ugandan Honey wine goes on the market

OSEMAC HONEY WINE is produced by Bugaari Winery and specialises in production of high quality wines that compete favourably with imported ones. It is part of Effective Skills Development Consultants Group of Companies. It is the first winery in the History of Uganda to produce honey wine (Mead) on commercial scale. After realizing the limited range of value added honey products, the idea to produce Rosemac honey wine was developed given the fact that there is no commercial honey wine production in Uganda which was a very big opportunity to explore. In addition, the existing locally produced wines could not compete favourably with imported ones mainly from South Africa, France and Italy in terms of quality, taste and branding. Rosemac honey wine capitalized this market gap by producing a high quality wine that is differentiated with taste (Dry medium Sweet honey Wine) and is marketed under the slogan "naturally from the beehive to the wine bottle".

for wine is sourced directly from beekeepers in different regions of Uganda and the company's own apiary in Kyegewa district. The honey is slowly fermented to dryness before the lasting sweetness is carefully blended into the wine. The finished product is real honey wine that is truly a remarkable and worth tasting. No artificial ingredients are added, the colour and aroma are also natural. At the winery the quality of the product and hygiene are critical and every effort is made to ensure that the building, all the equipments used and the bottles are not only spotlessly clean but also sterile (gem-free) at all time. Commercial production dates back on 3rd May 2011 and since then over 30,000 litres of honey wine have matured and already on the market with the first market appearance witnessed on 19th April 2012 at Mega Standard Supermarket. Product tasting is ongoing at Aprtrade Africa, TUNADO and other stakeholders in the beekeeping industry to taste and provide feedback to enable us further improve the product.

The future plans of the winery is to acquire the UNBS mark, increase supply to other major supermarkets, train more beekeepers in best apiculture practices to not only meet quality standards but also increase on the quantity of honey produced. However the major challenge is that consumer's perception about locally made wines is low and this limits some supermarkets from stocking such wines. Therefore there is a need for consumer awareness for other hive products and especially honey wine by the umbrella organization TUNADO which will facilitate increased consumer demand for these products.

By Ambrose Bugaari Effective Skills Development 0752573900